Performance of Commercial Corn Hybrids in Illinois

1981

University of Illinois at Urbana-Champaign
College of Agriculture
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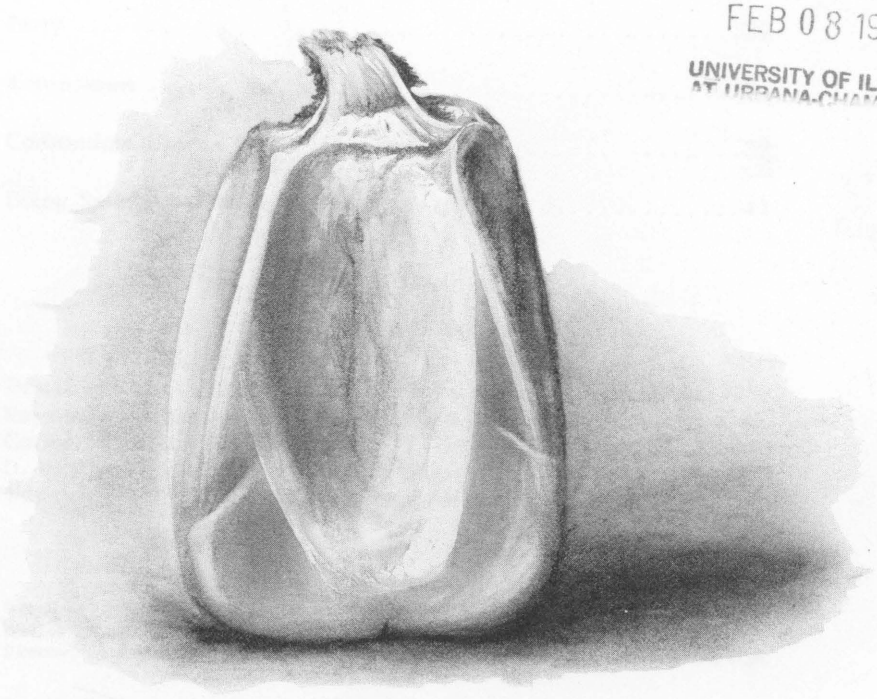

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Urbana, Illinois December, 1981

Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. WILLIAM R. OSCHWALD, *Director*, Cooperative Extension Service, University of Illinois at Urbana-Champaign.

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1981

(With 1979 and 1980 Listings)

Test Program

Selection of entries. Each year, producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of $35 for each hybrid entered at a location ($50 for irrigated trials). Most of these hybrids are commercially available, although a few experimental hybrids are also entered. In 1981, a survey of popular hybrids was conducted among county Extension advisers, and the ten most popular hybrids at each test location were added to the trials. These hybrids are marked by an asterisk (*) in the tables.

Number and location of tests. In 1981, 18 major tests were conducted at 11 locations in the state (see the map on page 5). These sites represent major soil and climatic areas of the state.

Hybrids. There were 599 hybrids from 80 companies tested in 1981.

Field-plot design. Three replications of randomized complete block or lattice design were used to assure each entry an equal chance to show its merits.

Planting methods. All trials were planted by machine. All test fields except those at DeKalb, Macomb, Perry, Brownstown, Elwood, and Urbana were part of larger cornfields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 25 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or sidedressed as needed to ensure top yields.

Method of harvest. All plots were harvested with a custom-built self-propelled corn plot combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

Performance Data

Grain yield. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture monitor was used in the combine for all moisture readings.

Moisture content. Occasionally, hybrids too late in maturity for a given area are entered in these tests. Such hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Erect plants. The number of erect plants in each plot of a hybrid was determined at harvesttime. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. In late June, plants in all plots on all fields were counted and populations computed. Plots with over 100 percent of the desired population were thinned at that time. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or animal pests.

Suggestions for Comparing Hybrids

It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. In general, a yield difference of a few bushels per acre is not significant in these tests, but when one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. When comparing yields, however, grain moisture content, percentage of erect plants, and plant population must also be considered.

A number of statistical tests are available for comparing hybrids within a single trial. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson,[1] is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged to be "significantly different."

When the observed mean of hybrid A is larger than that of hybrid B and the difference between them is found to be significant, one of three possibilities has occurred: (1) the mean of hybrid A really is larger than that of hybrid B, and a correct decision has been made; (2) the means of hybrids A and B are really equal, and a Type I statistical error has been made (that is, the means were declared to be unequal when

[1] Carmer, S. G. and M. R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66-74. 1973.

they were actually equal); or (3) the mean of hybrid B is really larger than that of hybrid A, and a reverse decision or Type III statistical error has been made (that is, the mean of A was declared to be greater than that of B, when the reverse is true).

When no significant difference is found between two hybrids, one of two possibilities has occurred: (1) the means are really equal, and a correct decision has been made; or (2) the means are really different, and a Type II statistical error has been made (that is, the means were declared to be equal when they really are different). In a study of the frequencies of occurrence of these three types of statistical errors and their relative seriousness, Carmer[2] found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40, where α is the Type I statistical error rate for comparisons between means that are really equal. Herein, values of $\alpha = 0.10$ and 0.30 are used in computing the L.S.D. 10 and 30 percent levels shown in the tables. L.S.D. 10 and L.S.D. 30 are not calculated when the overall F test of differences among entries is not significant at the 5 percent level.

To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing hybrids. Readers who compare hybrids in different trials should be extremely careful, since no statistical tests are presented for that purpose. Readers should note that the difference between a single hybrid's performance at one location and its performance at another is caused primarily by environmental effects and random variability. Furthermore, the difference between the performance of hybrid A in one trial and that of hybrid B in another is the result not only of environmental effects and random variability, but of genetic effects as well.

1981 Growing Conditions

A warm, dry April facilitated timely planting of most test fields; however, rains in early May delayed planting at Galesburg, DeKalb, and Elwood. Stands were excellent at most test locations. Frequent rains early in the growing season contributed to rapid herbicide breakdown and prevented cultivation of the Dixon Springs, Carbondale, Perry, and Woodstock fields, which later developed problems with grasses and nutsedge. Rains continued throughout the growing season, with only the Woodstock and DeKalb locations reporting brief dry periods. Relatively cool weather in August and September slowed maturity of the crop and delayed harvest. Once under way, harvest proceeded rapidly at all locations except Urbana, where high winds caused severe lodging shortly after harvest had begun. All test fields were harvested by October 27.

[2] Carmer, S. G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95-99. 1976.

1981 Test Fields

Woodstock

Location: Northeastern Illinois (cool, humid).
Soil type: Proctor silt loam (fertile, deep, well-drained, dark prairie).
Planting date: May 6.
Cooperators: Hughes Farms and Seed Company; Robert Hughes and Earl Hughes, Jr.

DeKalb

Location: University of Illinois Northern Illinois Research Center, southwest of DeKalb.
Soil type: Flanagan silt loam (dark brown, adequately drained, highly fertile).
Planting date: May 19.
Cooperators: R. R. Bell, field manager; D. L. Mulvaney, research director.

Elwood

Location: Northeastern Illinois Agronomy Center, Will County.
Soil type: Elliott silt loam.
Planting date: May 20.
Cooperators: Dale Harshbarger, field manager; D. L. Mulvaney, research director.

Galesburg

Location: Robson Farms, west north-central Illinois, about 10 miles north of Galesburg.
Soil type: Sable silty clay loam (highly fertile, heavy-textured).
Planting date: May 13.
Cooperator: John Robson.

Macomb

Location: Agricultural Experiment Station, Western Illinois University at Macomb, McDonough County.
Soil type: Ipava soil.
Planting date: May 8.
Cooperators: Gordon Roskamp, agronomist; Frank Gardner, agronomist.

Kilbourne (Irrigated)

Location: University of Illinois Illinois River Valley Sand Field, 10 miles west of Kilbourne, Mason County, central Illinois.
Soil type: Plainfield sand.
Planting date: April 21.
Cooperators: H. Hopen, research director; Lou Nelms, superintendent.
Irrigation: Applied as supplement to rainfall when needed to maintain a total water supply of 1 inch every 4 days. Also supplied 60 pounds of nitrogen preplant, and 200 pounds of nitrogen in 5 applications throughout the growing season.

Growing Season Rainfall

Location	April	May	June	July	August
Woodstock	0.57	2.29	4.96	1.62	7.57
DeKalb	1.40	3.99	6.32	1.45	6.64
Elwood	2.77	4.54	11.18	4.67	5.30
Galesburg	3.40	4.62	5.77	3.68	4.87
Macomb	3.88	6.51	6.71	10.64	4.30
Kilbourne	0.94	5.81	7.38	7.75	5.14
(By irrigation)	...	...	(2.55)	(5.10)	(4.25)
Urbana	1.97	5.83	4.72	6.81	8.64
Perry	6.23	5.99	5.58	7.13	8.69
Brownstown	3.53	6.73	3.29	7.88	5.26
Carbondale	2.24	11.58	6.14	7.87	1.73
Dixon Springs	4.33	9.78	6.80	7.12	2.95

Urbana

Location: University of Illinois South Farm, Champaign County, east central Illinois.
Soil type: Flanagan silt loam (dark brown, adequately drained).
Planting date: April 27.
Cooperator: M. G. Oldham, farm manager.

Perry

Location: Orr Research Center, near Perry, Pike County, south central Illinois.
Soil type: Herrick silt loam (moderately poorly drained).
Planting date: May 7.
Cooperators: Glenn Raines, research director; Tom Halloch, field superintendent.

Brownstown

Location: University of Illinois Brownstown Experimental Field, Fayette County, south central Illinois.
Soil type: Cisne silt loam (poorly drained, gray prairie with a well-developed claypan).
Planting date: April 28.
Cooperator: Frank Zajicek, research director.

Carbondale Upland

Location: Southern Illinois University Agronomy Research Center, extreme southern Illinois.
Soil type: Weir silt loam (shallow, silty loam over claypan).
Planting date: April 29.
Cooperators: Jim Hubbard, field manager; George Kapusta, agronomist.

Dixon Springs Bottomland

Location: University of Illinois Dixon Springs Agricultural Center, Pope County, extreme southern Illinois.
Soil type: Sharon silt loam (light-colored, moderately well-drained, medium-textured bottomland).
Planting date: April 30.
Cooperator: George McKibben.

Sources of Seed

ACCO Hybrids, ACCO Paymaster Seed Co., Box 307, Belmond, IA 50421
Ainsworth Hybrids, Ainsworth Seed Co., R.R. 1, P.O. Box 153, Mason City, IL 62664
Americana Hybrids, Americana Seeds, Inc., Box 275, Bowen, IL 62316
Asgrow Hybrids, Asgrow Seed Co., 7000 Portage Road, Kalamazoo, MI 49001
Beck's Hybrids, Beck's Superior Hybrids, Rt. 2, Box 142, Atlanta, IN 46031
Bo-Jac Hybrids, Bo-Jac Hybrid Corn Co., R.R. 2, Mount Pulaski, IL 62548
CFS Hybrids, Custom Farm Seed, P.O. Box 160, Momence, IL 60954
Campbell Hybrids, Campbell Seeds, R.R. 3, Tipton, IN 46072
Cargill Hybrids, Cargill Seeds, P.O. Box 5645, Minneapolis, MN 55440
Coker Hybrids, Coker's Pedigreed Seed Co., P.O. Box 340, Hartsville, SC 29550
Cornelius Hybrids, Cornelius Seed Corn Co., R.R. 1, Bellevue, IA 52031
Dairyland Seed Hybrids, Dairyland Seed Co., Inc., P.O. Box 958, West Bend, WI 53095
DeKalb Hybrids, DeKalb Ag Research, Inc., Sycamore Road, DeKalb, IL 60115
Dennis Hybrids, Dennis Hybrid Corp., Box 487, Windfall, IN 46076
Dockendorff Hybrids, Dockendorff Hybrids, Inc., R.R. 2, U.S. Highway 34 West, Danville, IA 52623
Duesterhaus Hybrids, Duesterhaus Fertilizer, Inc., Box 248, Quincy, IL 62301
EK Premium Hybrids, EK Premium Seed Corn, R.R. 1, Berwick, IL 61417
F.S. Hybrids, Growmark, Inc., 1701 Towanda Ave., Bloomington, IL 61701
Federal Hybrids, Federal Hybrids, Rt. 2, Marion, IA 52302
Fuller Hybrids, Fuller Seed Co., Inc., Box 38, Lincoln, IL 62656
Funk's Hybrids, Funk Seeds International, P.O. Box 2911, Bloomington, IL 61701
GSA Hybrids, Growers Seed Association, P.O. Box 1656, Lubbock, TX 79408
Golden Acres Hybrids, Taylor Evans Seed Co., Box 68, Tulia, TX 79088
Golden Harvest Hybrids, Thorp Seed Co., Rt. 3, Clinton, IL 61727
Gold Tag Hybrids, Ferry-Morse Seed Co., Box 24, Geneseo, IL 61254
Great Lakes Hybrids, Great Lakes Hybrids, Inc., Box 637, Ovid, MI 48866
Griffith Pure Line Hybrids, Griffith Seed Co., McNab, IL 61335
Gutwein Hybrids, Fred Gutwein & Sons, Inc., R.R. 1, Box 40, Francesville, IN 47946
Henkel Hybrids, Henkel Grain Co., Inc., R.R. 1, Mendota, IL 61342
Hoblit Hybrids, Hoblit Seed Co., R.R. 2, Atlanta, IL 61723
Hughes Hybrids, Hughes Hybrids, Inc., 206 N. Hughes Road, Woodstock, IL 60098
Illinois Experimental Hybrids, University of Illinois Agricultural Experiment Station, U. of I. Department of Agronomy, Urbana, IL 61801
Jacobi Hybrids, Triple J Seed Farms, R.R. 1, McCordsville, IN 46055
Jacques Hybrids, Jacques Seed Co., Box 370, Lincoln, IL 62656
Kaltenburg Hybrids, Kaltenburg Seed Farms, 5506 Highway 19, Rt. 2, Waunakee, WI 53597
Landers Hybrids, Landers Seed Co., P.O. Box 120, Sullivan, IL 61951
Leader Hybrids, Leader Seeds, Inc., 7160 S.R. 118, Celina, OH 45822
Lewis Hybrids, Lewis Hybrids, Inc., Box 38, Ursa, IL 62376
Lowe Hybrids, Lowe Seed Co., P.O. Box 1685, Kankakee, IL 60901
Lynks Hybrids, Lynks Seeds, P.O. Box 637, Marshalltown, IA 50158
Macon Hybrids, Macon Hybrids, Inc., P.O. Box 1, Latham, IL 62543
McAllister Hybrids, McAllister Seed Co., Inc., P.O. Box 28, Mt. Pleasant, IA 52641
McCurdy Hybrids, McCurdy Seed Co., P.O. Box 66, Fremont, IA 52561
Migro Hybrids, North American Plant Breeders, 5201 Johnson Dr., P.O. Box 2955, Mission, KS 66201
Moews Hybrids, Moews Seed Co., P.O. Box 277, Granville, IL 61326
Noble Brothers Hybrids, Noble Brothers, Inc., 523 S. Sangamon, Gibson City, IL 60936
Northrup-King Hybrids, Northrup-King Co., 1452 29th St., Suite 214, West Des Moines, IA 50265
O's Gold Hybrids, O's Gold Seed Co., P.O. Box 460, Parkersburg, IA 50665
P.A.G. Hybrids, P.A.G. Seeds, P.O. Box 9480, Minneapolis, MN 55440
Pfister Hybrids, Pfister Hybrid Corn Co., El Paso, IL 61738
Pickering Hybrids, Pickering Seed Co., Inc., Box 126, Lewisville, IN 47352
Pioneer Hybrids, Pioneer Hi-Bred International, Inc., Princeton, IL 61356
Pocklington Hybrids, Pocklington Seed Co., R.R. 2, Girard, IL 62640
Prairie Stream Hybrids, Prairie Stream Farms, Inc., R.R. 3, Frankfort, IN 46041
Premier Hybrids, Premier Hybrids, R.R. 15, Box 223X, Indianapolis, IN 46259
Pride Hybrids, Pride Co., Inc., P.O. Box 8, Glen Haven, WI 53810
Princeton Hybrids, Princeton Farms, Box 319, Princeton, IN 47670
Renk Hybrids, Renk Seed Co., Inc., R.R. 2, Sun Prairie, WI 53590
Ring Around Hybrids, Ring Around Products, Inc., P.O. Box 589, Montgomery, AL 36195
Seagull Hybrids, Rothermel Seed Co., P.O. Box 79, West Liberty, IA 52776
Shissler GR-8 Hybrids, Shissler Seed Co., R.R. 3, Elmwood, IL 61526
Sieben Hybrids, Sieben Hybrids, Inc., Highway 82N, Geneseo, IL 61254
Sohigro Hybrids, Vistron Corp., P.O. Box 628, Lima, OH 45802
Stauffer Hybrids, Stauffer Seeds, A Subsidiary of Stauffer Chemical Co., 975 S. Durkin Dr., Springfield, IL 62704
Stewart Hybrids, Stewart Hybrids, Inc., Rt. 1, Princeville, IL 61559
Stewart Hybrids, Stewart Seeds, Inc., Rt. 8, Box 227, Greensburg, IN 47240
Stone Hybrids, Stone Seed Farms, Inc., Rt. 2, Pleasant Plains, IL 62677
Sturdy Grow Hybrids, Sturdy Grow Hybrids, Inc., P.O. Box 94, Arcola, IL 61910
Sun Prairie Hybrids, Champaign County Seed Co., Inc., Rt. 2, St. Joseph, IL 61873
Super-Crost Hybrids, Edward J. Funk & Sons, Inc., P.O. Box 67, Kentland, IN 47951
Thor-O-Bred Hybrids, Thor-O-Bred Seed Co., P.O. Box 1437, Champaign, IL 61820
Trisler Hybrids, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmont, IL 61841
Trojan Hybrids, Pfizer Genetics, Inc., P.O. Box 33, Mason City, IL 62664
Uphoff Hybrids, Uphoff Seeds, P.O. Box 647, West Rt. 316, Charleston, IL 61920
U.S.S. Hybrids, U.S.S. Agri-Chemicals, P.O. Box 1685, Atlanta, GA 30303
Voris Hybrids, Voris Seed, Inc., P.O. Box 457, Windfall, IN 46076
Whisnand Hybrids, Whisnand Hybrids, R.R. 1, Arcola, IL 61910
Wyffels Hybrids, Wyffels Hybrids, Inc., P.O. Box 246, Atkinson, IL 61235
Zimmerman Hybrids, Zimmerman Hybrids, Inc., 5147 W. Franklin Rd., Evansville, IN 47712

SUMMARY OF ILLINOIS HYBRID CORN TESTS, 1981

Field, county, location, and number of entries	Date planted	Date harvested	Average yield[a] (bu/A)	Grain moisture (%)	Erect plants (%)	Average population (plants/A)
30-inch rows, 18,000 plants per acre						
Brownstown: Fayette, S, 45	April 28	Oct. 8	134	19	98	17,742
Carbondale: Jackson, Ex. S, 25	April 29	Oct. 5	100	19.6	97	17,678
30-inch rows, 20,000 plants per acre						
DeKalb: DeKalb, N, 31	May 19	Oct. 22-23	137	22.5	93	19,544
Galesburg: Knox, WNC, 40	May 13	Oct. 19-20	164	21.6	94	19,683
Urbana: Champaign, EC, 58	April 27	Oct. 1-2	151	24.2	78	19,705
Perry: Pike, WSC, 36	May 7	Oct. 12	167	19.2	95	19,166
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 147	April 28	Oct. 8	128	18.7	96	21,442
Carbondale: Jackson, Ex. S, 81	April 29	Oct. 5	107	19.6	97	21,156
Dixon Springs: Pope, Ex. S, 54	April 30	Oct. 6-7	126	18.9	98	21,919
30-inch rows, 24,000 plants per acre						
Woodstock: McHenry, Ex. N, 104	May 6	Oct. 27	155	23	95	23,467
DeKalb: DeKalb, N, 31	May 19	Oct. 22-23	151	23	94	23,251
Galesburg: Knox, WNC, 200	May 13	Oct. 19-20	164	20.5	91	23,397
Elwood: Will, ENC, 154	May 20	Oct. 21	145	21.5	95	23,365
Macomb: McDonough, WC, 170	May 8	Oct. 13	169	20.9	96	22,948
Urbana: Champaign, EC, 278	April 27	Oct. 9-16	150	20.9	49	23,401
Perry: Pike, WSC, 132	May 7	Oct. 12	146	18.8	90	22,741
30-inch rows, 28,000 plants per acre						
Kilbourne: Mason, C, 132	April 21	Sept. 30	134	19.7	95	27,270
Dixon Springs: Pope, Ex. S, 90	April 30	Oct. 6-7	126	18.5	94	27,485

[a] Illinois corn yields in 1981 were estimated to average 130 bushels per acre; the 1,808 entries reported in this circular averaged 144 bushels per acre.

Corn Hybrid Trial Results

WOODSTOCK (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX511	147	20.9	83	23866	105	18.6	77	23885				
CARGILL												
834	140	20.9	93	23866								
862	137	20.8	96	23733								
872	149	23.3	96	23866	124	20.9	91	23771	147	29.6	88	24000
921	167	26.0	85	23733	122	24.5	90	24000				
CORNELIUS												
C44SX	158	22.8	99	23866								
SX34	140	23.3	95	24000	132	21.2	97	23885				
DAIRYLAND												
DX1003	145	20.7	95	22266								
*DX1007	168	22.7	95	23333	136	21.6	98	21257	142	30.5	97	23542
DX1008	157	23.2	96	24000	107	20.8	95	22742	156	26.2	89	23657
DX1012	152	25.6	99	22133								
DEKALB												
XL 23	150	23.5	97	23600	116	20.3	98	23314				
*XL 25A	144	21.8	98	23733	122	22.5	98	23885	143	26.2	99	23657
XL 28	160	23.0	97	24000								
XL 32A	171	22.5	92	23733	128	20.0	97	23885				
XL 36	158	23.1	97	23733								
*XL 55A	152	24.1	98	23733	116	23.1	94	23085				
XL 56	146	26.6	94	24000								
EK PREMIUM												
EK7700	152	22.9	95	23733	116	22.9	78	23085	140	29.2	94	24000
EK7710	140	21.2	87	23200	96	18.5	68	24000	154	23.6	74	22514
EK7715	149	20.4	96	23733								
EK7720	154	23.0	94	24000	114	21.3	98	21714	157	26.1	94	24000
EK7750	154	24.4	97	23600								
EK7760	147	21.9	86	23733	120	19.2	91	22400				
EK7770	166	25.0	94	23466	119	21.4	95	23771				
EK7780	172	25.3	99	23466								
EK7785	166	24.4	91	22933								
FUNK'S												
G-4224	140	22.1	96	24000	111	19.7	96	22400	130	26.2	90	22857
G-4315	146	21.7	95	24000	110	20.3	91	22628	141	25.2	90	22742
G-4323	156	22.2	93	24000	115	20.3	93	22628	121	27.0	96	21485
G-4435	158	26.1	94	23733								
GOLD TAG												
1064	149	19.0	89	23866								
1090	145	20.5	88	24000	115	20.2	85	22971				
2006	159	22.7	97	23200	118	20.8	94	23200				
2060	159	22.9	91	23600	128	20.5	94	22857				
GROWMARK												
FS 211	156	21.4	92	23733	110	18.2	62	21942				
FS 412	166	21.5	93	24000								
*FS 444	152	23.3	94	23333	117	20.1	91	23428	137	28.8	98	22514
GSA												
2020	144	22.7	100	24000								
2260	158	22.1	92	23466								
2300	154	28.2	92	23200								
HENKEL												
H-10	150	21.8	97	23600								
H-14	150	22.7	98	22800								
H-17A	159	23.0	95	24000								
HUGHES												
SLX-30A	163	22.7	96	23466	112	22.2	95	21714				
3585	151	21.5	98	23866	107	18.3	95	22514				
3690	151	21.2	97	24000								
KALTENBERG												
KX 61	167	22.3	98	23066	113	20.4	93	23542				
KX 73	163	26.7	97	23866	145	22.2	97	23771				
KALTENBURG												
KX 67	166	22.8	100	23733								
KX 75	165	25.0	98	23200								
LEWIS												
X14B	165	22.7	95	23866								
X19B	152	22.7	96	21733					141	27.9	94	21142
LYNKS												
LX4100	154	22.9	97	23200	117	22.3	96	22171				
LX4210	159	22.3	97	23733								
MCCURDY												
4664	140	20.5	96	23600	115	18.1	97	22628				
4855	156	22.4	98	23600	109	19.9	73	23771				
5596	158	22.9	95	24000	119	21.2	83	23314	147	28.0	78	24000
MIGRO												
HP 277	143	20.2	97	21866								
HP 360	177	22.8	99	23466								
HP 470	156	26.5	97	22666	134	23.1	95	23657				
M-2022 X	154	23.1	97	24000	119	21.4	90	23542	150	24.7	93	24000
NORTHRUP-KING												
*PX37	153	22.1	88	23866								

WOODSTOCK, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
O'S GOLD												
SX5500A	159	28.1	97	23733								
SX6880	155	22.7	96	23733	114	20.2	95	23542				
SX6882	158	27.1	96	23466								
PFISTER												
1700	160	23.4	94	23466								
2400	153	22.3	94	22266								
30	160	22.3	94	23866	132	21.8	98	23542	133	28.6	94	22857
PICKERING												
422	161	22.3	96	24000	134	20.7	87	23085				
455	160	22.5	98	23466	119	21.1	89	24000				
533	148	27.1	98	22400	144	22.9	91	22857				
PIONEER												
*3780	157	21.4	97	23466	127	19.2	96	21714	138	25.1	94	22514
PRIDE												
4488	142	21.4	89	23333	121	19.8	92	22628	156	25.7	94	21828
6611	155	23.5	99	22666								
6678	148	21.4	95	21466	119	22.0	95	23314				
P-A-G												
SX 181	142	21.6	94	23733	106	21.1	82	22628				
SX 189	155	21.7	98	24000	111	20.5	90	24000	134	24.6	97	22057
SX 249	150	24.1	98	23733	121	22.1	92	23085	141	28.3	82	21257
*SX 397	142	25.1	77	24000	114	22.4	88	23771	138	32.1	95	22971
RENK												
RK24	157	22.8	97	23866								
RK66	157	22.8	96	23600								
RK77	187	27.5	92	23466								
SEAGULL												
SX 20	166	22.4	98	22133								
SX 20A-P	158	22.1	91	23866								
STAUFFER SEEDS												
S 3060	142	22.4	94	23200								
S 5620	158	22.5	97	23733								
S 5660	152	21.8	89	23200								
S 6595A	162	25.4	95	23066								
SUPER-CROST												
*2350	145	21.7	96	23733	103	20.3	96	23657	155	23.7	94	23428
2396	151	22.0	97	23866	117	19.9	94	23428				
2410	162	22.6	98	23866								
2790	152	22.9	93	22933								
*4337	166	24.6	99	23466								
81061	147	21.9	83	23466								
TROJAN												
T 1000	162	22.1	96	22000					121	22.8	80	23542
T 1058	155	22.4	94	23466	115	20.6	94	22285	146	26.3	90	23542
T 1069	175	22.4	96	23733	121	20.6	90	24000				
T 1100	176	25.6	98	23733								
T 950	156	21.2	97	24000								
WYFFELS												
W-21	155	22.5	96	23600	105	20.8	98	23885				
*W-26	170	23.0	93	23200	129	21.1	94	20800	117	30.4	90	22742
W-34	141	23.4	96	21066								
AVERAGE OF 1981 ENTRIES	155	23.0	95	23467	117	21.1	89	23101	141	28.4	91	22854
L.S.D. 10% LEVEL	17	1.0	4	992	20	1.3	14	..	25	2.5	10	2136
L.S.D. 30% LEVEL	11	0.6	3	624	13	0.8	9	..	15	1.5	6	1345
STD ERR OF HYBRID MEAN	7	0.4	3	424	9	0.5	6	735	11	1.1	4	914

Corn Hybrid Trial Results

DEKALB (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX511	146	19.2	80	19733								
RX777	145	23.8	96	19333	143	19.6	95	18444				
GROWMARK												
FS 211	111	20.5	84	20000	141	16.5	79	19555				
FS 412	139	21.5	97	18800								
FS 444	147	21.0	93	19200								
ILL. EXPERIMENT												
R806XB73	131	26.9	92	19466					173	28.4	89	19185
LEWIS												
X52B	126	25.0	88	18000								
X53B	152	23.0	98	20000								
MCALLISTER												
SX7905	138	22.1	92	19200								
SX8003	129	20.9	96	18933								
MIGRO												
HP 277	135	20.3	93	19600								
HP 360	134	20.5	96	20000								
HP 401	141	21.8	92	19600								
HP 470	135	26.2	98	20000	162	18.5	96	19666				
M-2018 X	135	20.9	88	19733	148	17.1	94	18888	152	21.9	90	19333
M-2022 X	131	21.4	96	20000	157	18.0	94	20000	146	22.1	80	20046
O'S GOLD												
SX5500AB	146	26.2	96	20000	153	20.2	97	18666	171	28.5	97	19650
SX5500A	146	25.4	91	19866	142	19.5	97	19333	171	28.0	94	18766
P-A-G												
SX 181	128	20.1	89	19466	131	17.7	97	20000				
SX 189	133	20.7	97	18533	126	17.5	89	19111				
SX 249	131	22.9	95	19066								
SX 397	135	23.5	92	20000								
RENK												
RK24	143	21.0	93	19733								
RK66	131	22.1	89	20000					159	22.4	93	18997
RK77	150	25.1	91	19733					173	24.8	95	18413
SEAGULL												
SX 23-URL	151	21.3	97	19600	160	18.2	97	19444	175	23.3	95	18647
STAUFFER SEEDS												
SUPER 4	147	25.1	90	19333	163	20.5	94	19555	190	26.2	94	19546
S 3060	117	21.2	93	19866								
S 5602	144	20.9	97	19200								
S 5660	141	21.8	89	19866								
S 6595A	140	25.6	97	20000								
AVERAGE OF 1981 ENTRIES	137	22.5	93	19544	147	18.6	94	19521	148	24.2	92	18993
L.S.D. 10% LEVEL	16	1.6	7	..	19	0.9	6	..	27	2.2	7	..
L.S.D. 30% LEVEL	10	1.0	4	..	12	0.5	3	..	17	1.4	4	..
STD ERR OF HYBRID MEAN	7	0.6	3	451	8	0.9	2	387	12	1.0	3	920

Corn Hybrid Trial Results

DEKALB: INCREASED PLANTING RATE (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 2990	154	21.1	94	22800								
UC 4660	136	20.7	92	23333	136	15.7	98	23542				
X-94790	147	24.4	97	23066	158	18.2	97	23885				
AMERICANA												
C400	155	22.1	97	23733								
2600	151	20.0	96	23866								
2900	147	21.4	94	24000								
3030	151	22.0	93	23066	154	17.0	92	23428	158	22.4	92	21371
3100	179	24.2	97	23466								
ASGROW												
RX777	155	23.3	94	24000	157	20.2	100	23542	180	24.3	95	22628
BECK'S												
45X	164	22.1	97	23733								
60X	150	25.0	98	23866								
65XS	174	23.8	94	23733								
CARGILL												
834	144	19.9	91	23733								
862	129	20.2	99	22666								
872	143	23.3	93	23200	163	17.1	98	20914	163	22.3	92	22857
921	169	25.6	96	24000	142	19.4	95	22171	173	25.2	87	23542
CFS												
W5410	143	26.4	97	23200	141	18.1	92	22057				
1400	158	21.6	94	23733	161	17.8	98	24000	153	22.1	93	23657
4000	152	25.8	95	24000	148	20.0	95	23200				
6000	163	25.5	99	22666								
CORNELIUS												
C44SX	164	21.1	100	22800								
C62SX	157	24.7	95	23466	145	18.2	97	23657				
SX34	151	20.9	94	23466								
SX37AA	139	23.0	97	22933	146	17.1	95	23314	170	23.9	94	23428
DAIRYLAND												
DX1003	149	20.4	95	23866								
DX1007	160	20.3	90	22800	151	16.8	90	23428	139	23.0	94	23314
DX1008	158	21.4	95	23200	158	17.7	95	23657				
DX1012	150	24.1	95	22133	161	18.5	96	23657				
DX1016	174	25.0	94	23066	150	19.4	95	23771	170	28.3	100	21600
DEKALB												
XL 28	142	22.7	91	23333								
XL 36	143	21.2	92	22133								
*XL 53	142	24.2	97	23466								
*XL 55A	169	23.7	93	23600	159	18.8	95	23314				
XL 56	138	24.1	95	20666								
*XL 64	145	25.5	93	23733	162	20.8	91	23657				
*XL 72AA	163	25.7	92	22800								
EK PREMIUM												
EK7700	133	21.6	90	23066	144	19.0	93	23200	153	21.6	93	23085
EK7710	147	20.4	84	22666	138	16.2	81	22971	132	20.8	88	21485
EK7715	151	19.6	93	23466								
EK7720	149	21.8	94	24000	140	18.2	96	21371	160	22.6	93	24000
EK7750	148	24.4	95	22800	141	18.6	99	23314				
EK7760	160	20.7	89	23466	143	16.7	92	23542				
EK7770	153	23.9	91	23333	141	17.5	89	23428				
EK7775	168	22.2	96	22400								
EK7780	156	25.3	98	21733								
EK7785	158	24.1	93	23466								
EK8800	146	25.8	95	23066	148	19.3	90	23200	165	27.8	96	20685
EK8810	158	23.8	87	23733	161	19.5	94	23771				
FEDERAL												
FX29	153	20.9	93	24000								
FX6	138	20.7	94	23733	142	17.1	94	22971	161	22.9	89	23314
FUNK'S												
G-4224	120	20.9	91	23866								
G-4315	149	20.8	93	23866					153	20.8	88	22742
G-4323	155	20.9	93	24000	123	17.2	88	23657	164	21.3	91	22971
G-4435	154	26.7	94	23600								
GOLD TAG												
1090	139	19.7	93	22800	120	16.5	92	22971				
2006	151	21.5	96	22800	156	17.1	97	23314				
2060	143	22.4	90	23066	130	18.3	95	23314				
3006	144	25.0	95	23466	165	18.5	97	21828				
3008	140	22.9	93	22266								
GREAT LAKES												
5922	157	23.9	90	22800	151	19.2	98	23200				
GRIFFITH PURE LINE												
*PL298	155	26.6	94	23200					175	25.9	95	21485
GROWMARK												
FS 211	167	20.0	89	23733	121	16.1	61	22857				
FS 412	149	21.4	89	24000								
*FS 444	151	21.6	95	23333	139	17.3	94	23085	167	23.3	91	22057
GSA												
2020	154	21.8	97	23200								
2260	143	23.1	97	21866								
2300	137	27.5	98	23066								

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GUTWEIN												
2180	161	20.0	90	23466	143	16.0	92	22400				
2210	147	20.9	97	22533	166	16.9	98	23771				
2440	168	23.7	94	23333								
46	153	22.1	92	23333	162	17.4	93	22971	161	22.7	85	22057
HENKEL												
H-10	147	20.2	98	23066								
H-14	149	21.4	94	23200	159	17.4	96	21828				
H-17A	149	22.0	90	23466								
H-18	149	21.4	73	23466								
H-19	141	26.1	98	23733								
H-20	146	23.0	89	23200	151	18.6	91	23428				
HUGHES												
*SLX-30A	148	21.5	92	23866	146	17.2	91	22400	163	23.2	90	24000
3585	135	19.3	97	23200	159	16.4	93	23314				
6210	156	23.9	95	23066								
6230	169	22.5	97	22800								
ILL. EXPERIMENT												
AS80-16	116	27.7	91	24000								
AS80-17	95	30.8	100	21866								
AS80-19	126	28.8	87	23733								
AS80-20	110	32.8	96	23600								
R806XB73	154	27.0	93	22933					174	27.7	94	22628
KALTENBERG												
KX 61	158	21.6	99	23733	161	17.4	99	23885				
KX 73	145	26.0	95	22800	161	19.0	99	23885				
KX 76	165	26.0	96	23333	169	19.2	91	23314	186	27.2	96	22857
KALTENBURG												
KX 67	160	22.3	95	21733								
KX 75	155	21.9	94	22266								
KX 77	165	24.8	95	24000								
LANDERS												
9903	137	21.5	93	20666	145	16.2	84	23200				
9904	164	20.9	97	22533								
9908	159	22.2	96	23333	158	17.2	93	22742	144	21.9	97	20685
LEADER												
SX495	171	22.1	95	22666								
SX510	146	20.0	89	23866	152	17.7	76	23542	150	21.9	90	21371
SX555	135	23.6	83	23733	133	19.7	90	22628				
SX610	156	26.1	93	23200	166	19.3	94	22971	179	28.5	95	22400
LEWIS												
X52B	135	24.4	89	23866								
X53B	162	22.9	97	24000	178	18.2	93	24000				
X58B	149	27.3	96	22533								
LOWE												
LSX 217	155	21.1	97	23466	155	16.9	95	23771				
LSX 237	153	22.0	99	23200								
LSX 317	130	25.1	96	21466	166	18.6	97	23771				
LYNKS												
LX4100	157	22.1	94	21600	162	17.6	98	23657				
LX4210	160	21.5	97	22933								
LX4305	149	22.8	93	23733	127	18.7	98	22971	159	24.0	91	23200
LX4315	179	24.0	96	22266	163	18.9	95	23657				
MCALLISTER												
SX7300B	170	27.7	97	23466	174	21.8	98	23542	182	27.1	91	23314
SX7406	150	25.9	93	23866	165	21.0	96	23200	187	26.7	89	24000
SX7909	147	26.1	98	22800	175	19.5	97	23885				
SX8001	136	21.1	97	24000	148	17.5	97	22857				
SX8003	151	21.7	94	23866	146	17.4	98	21714				
MCCURDY												
4855	129	21.3	98	23200	163	17.2	96	22971				
4956	150	21.9	94	23600								
5596	171	22.7	93	23733	160	17.7	91	23200	144	24.9	85	23314
6475	145	23.8	90	24000								
6555	158	24.7	96	23733	151	18.8	96	24000				
80-60	158	25.4	97	23600								
MIGRO												
HP 277	152	20.3	95	22000								
HP 360	150	21.6	96	22800								
HP 401	143	22.8	96	23466								
HP 470	157	24.6	97	23733	162	18.9	100	23657				
M-2018 X	139	21.8	95	23733	146	16.4	89	22857	157	22.6	90	22628
M-2022 X	152	22.6	95	23200	138	17.6	96	23428	163	21.9	93	22400
NOBLE BROS.												
2371	147	19.8	84	24000	126	16.4	85	23885				
2381	145	22.3	95	23866	166	17.1	92	23542				
2391	172	21.9	93	24000	165	17.8	94	22285	125	22.8	92	24000
NORTHRUP-KING												
PX37	153	20.8	94	23466	136	17.2	86	23542	142	22.9	95	21371
PX39	150	21.4	90	23466	122	16.8	88	23314				
PX69A	159	21.0	92	23733	147	18.3	94	23657	150	23.1	89	19428
PX9454	162	22.0	93	24000								

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
O'S GOLD												
SX1107	152	22.3	95	23333	156	17.5	95	23200				
SX5500AB	171	25.0	93	23866	169	20.8	96	22628				
SX5500A	160	25.4	92	23866	150	18.8	97	23428				
SX6880	132	22.0	96	22800								
SX6882	167	25.8	97	23200								
PFISTER												
1700	159	22.4	94	23333								
2400	148	22.4	96	23200								
2800	160	24.4	94	23600								
PICKERING												
422	145	21.7	97	23733	159	17.2	95	24000				
455	148	21.5	95	23600	145	17.7	96	23771				
488	152	21.3	94	23200	141	17.4	92	22971				
499	153	22.1	93	23066								
533	168	23.9	97	23066	170	19.2	98	23885				
PIONEER												
*3541	142	23.4	97	23866								
*3780	148	20.7	97	23200	152	16.0	93	23771	133	21.9	93	21028
POCKLINGTON												
P-401	136	22.9	90	23333					158	22.7	92	23771
P-402	132	24.6	92	23733	141	20.3	92	22971				
P-5511	158	24.4	96	22933								
P-601	143	26.4	95	22533								
PRAIRIE STREAM												
GOLDEN CROSS SX50	166	25.7	97	21866	174	19.0	97	23542				
PRIDE												
4488	160	20.9	92	23600	140	17.1	90	23885				
6611	157	23.5	94	22933								
6678	137	22.2	89	23466	150	18.0	94	23657	156	23.6	90	21600
P-A-G												
SX 181	133	21.2	87	21866	141	17.4	96	22971				
SX 189	147	22.0	94	22933	120	17.1	82	22400	158	20.7	86	23428
SX 249	148	22.9	95	22533	145	18.0	96	23200	157	22.9	89	23314
SX 397	155	24.8	67	24000	166	18.3	98	23885	155	23.2	84	22857
RENK												
RK24	155	21.1	96	23200								
RK66	151	20.8	91	23066	153	17.2	87	23314	138	22.7	93	23085
RK77	162	26.2	97	23600	151	18.9	89	23885	181	24.4	94	22628
SEAGULL												
SX 20A-P	138	21.9	89	23466								
SX 20A	161	21.5	93	23733								
SX 23-URL	142	24.7	98	23600					148	24.3	98	20342
SIEBEN												
22XS	146	20.6	92	23200								
35XS	162	24.4	99	23466								
SOHIGRO												
EXP. 203	149	21.2	96	23466								
EXP. 307	140	24.3	89	23733								
39	159	21.2	92	23200								
STAUFFER SEEDS												
SUPER 4	140	24.9	97	23866								
S 3060	144	20.0	93	24000								
S 5602	150	21.7	94	23600								
S 5660	155	21.2	86	22800								
S 6595A	146	26.7	98	22266								
STEWART HYBRIDS												
6302	141	23.2	93	23733								
6319	138	22.1	93	22400	158	17.8	95	22971	166	23.6	88	23885
SUPER-CROST												
2396	145	21.8	91	23333	142	16.7	88	23314				
2410	149	21.2	94	23866								
2790	157	23.7	96	22800								
4337	159	24.9	97	23600								
81061	148	24.0	96	24000								
TROJAN												
T 1000	155	21.2	96	22933								
T 1058	145	21.9	96	23866	151	18.0	95	22171	152	22.7	91	23314
T 1069	158	22.7	94	23733	133	16.7	91	23085				
T 1100	163	24.6	97	23466								
T 950	146	19.8	90	22000								
VORIS												
V 2411	155	21.3	95	23066								
V 2441	142	21.5	91	24000	164	17.5	98	23885	160	21.8	92	23657
V 2472	148	22.8	95	22800	154	16.9	92	23085	146	22.7	94	23085
V 2491	154	26.1	99	22533								
WYFFELS												
W-21	160	22.5	95	23200								
*W-26	159	21.7	93	23466	154	17.4	91	22171	134	23.4	93	21257
W-48	172	25.0	93	23066	170	18.5	97	22742				
AVERAGE OF 1981 ENTRIES	151	23.0	94	23251	148	18.0	94	23222	154	23.9	91	22408
L.S.D. 10% LEVEL	18	1.7	5	1289	20	1.0	7	..	26	1.7	7	2859
L.S.D. 30% LEVEL	11	1.1	3	812	13	0.6	5	..	16	1.0	4	1801
STD ERR OF HYBRID MEAN	7	0.7	2	553	9	0.4	3	754	11	0.7	3	1225

Corn Hybrid Trial Results

ELWOOD (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516	122	23.5	91	22933								
X-908	155	22.4	92	22933								
AMERICANA												
2900	150	19.4	99	23333								
3030	152	20.9	96	23733								
3100	174	21.2	98	23333								
3120	161	22.1	95	22933								
3200	135	22.6	93	22666								
ASGROW												
RX511	132	18.2	82	23733	125	17.4	97	23542				
*RX777	157	21.9	92	23466								
BECK'S												
45X	145	19.3	98	23733								
60X	136	21.0	94	23733	141	18.8	98	22057				
65XS	148	22.2	93	23200								
CARGILL												
921	139	24.3	93	23866	124	21.3	90	23771				
924	149	23.0	95	23466	125	20.7	94	22857				
949	143	20.8	94	23866								
967	160	23.7	97	23866								
CFS												
E1400	131	20.0	99	23600	131	18.7	99	23428	181	18.3	91	23207
W6420	158	23.5	94	23866	141	19.4	94	21714				
222	129	23.1	94	21733	120	20.3	92	23885	193	21.1	93	21132
4000	158	22.0	93	24000	156	20.4	97	23428				
6000	138	21.4	96	23333	148	20.0	100	23314				
DEKALB												
XL 28	130	19.5	93	24000								
XL 36	147	20.0	98	22933								
*XL 55A	142	21.6	96	22933	128	19.6	91	23542				
XL 56	145	22.4	97	23866								
XL 61	142	24.5	93	23333	137	21.0	96	23314				
*XL 64	119	24.1	96	23866	141	21.4	97	23885				
XL 67	156	23.5	96	23866	137	20.7	92	21142				
XL 72AA	145	23.3	97	23333	142	20.9	99	22971	160	22.1	92	20461
DENNIS												
3A	147	19.1	97	22933								
5A	148	19.5	98	23333								
EK PREMIUM												
EK7700	152	19.4	97	23600	143	21.1	96	23542				
EK7710	135	19.7	95	23333	134	16.8	98	23200				
EK7715	134	18.9	97	23733								
EK7720	132	20.4	92	22133	121	18.9	96	22971				
EK7750	138	21.3	97	22666	123	19.4	100	22514				
EK7760	143	19.8	88	23866	151	17.4	96	22628				
EK7770	145	21.2	88	23600	139	18.8	96	22628				
EK7775	176	20.9	98	23200								
EK7780	168	21.9	99	23866								
EK7785	151	23.0	94	23866								
EK8800	130	22.9	98	23600	144	20.9	96	22971				
EK8810	160	23.1	92	23733								
FUNK'S												
G-4315	127	19.1	97	23600	119	17.4	97	21600	148	18.0	92	23184
G-4323	132	19.4	94	23333	125	18.2	98	22971	133	18.4	88	23818
G-4435	141	21.2	92	23866	124	19.4	98	23314				
G-4522	162	24.7	94	23066								
GOLDEN HARVEST												
*H-2500	157	22.4	95	23466	131	21.0	96	22857				
GREAT LAKES												
GL 552	150	19.7	95	23333								
5922	132	21.7	95	22800								
GL 592	144	21.4	97	23066								
GROWMARK												
FS 211	149	18.6	94	23333	121	17.2	94	23657				
FS 412	142	19.7	95	23200								
*FS 444	143	19.6	94	23733	126	18.6	98	23771	143	19.1	72	23708
FS 675	152	21.3	97	23866								
GSA												
2020	140	19.9	97	23733								
2260	133	19.5	95	22933								
2300	128	21.8	96	23333								
ILL. EXPERIMENT												
AS80-13	104	29.4	91	23733								
AS80-16	146	28.3	96	24000								
AS80-20	130	28.8	85	23600								
R806XB73	160	24.6	94	23733					186	22.5	93	22957
79-6851	123	22.7	84	23600								
JACOBI												
CX41	128	20.1	100	22266								
CX48	147	20.0	91	22666								
CX56	152	22.0	97	23733								
CX66B	145	22.7	97	23333								
JACQUES												
*JX180	149	22.6	88	22666								

ELWOOD, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
LEADER												
SX495	145	19.7	98	24000								
SX510	152	22.2	94	23066	122	18.9	94	23428	147	17.9	89	23012
SX555	143	21.1	93	24000	148	21.0	99	23542				
SX610	136	22.6	89	23866	147	20.0	98	22971	163	21.1	94	23943
SX630	144	23.5	93	23733								
LEWIS												
X52B	142	23.2	90	23200								
X53B	152	21.4	98	24000								
X54B	167	21.1	99	21866								
X58B	158	21.4	98	23466								
X74B	161	27.2	97	23733								
LYNKS												
LX4210	140	19.7	100	22133								
LX4305	160	22.7	93	23866					159	19.4	95	23811
LX4315	177	21.7	97	23333	148	20.1	100	22742				
MCALLISTER												
SX7300B	160	26.1	98	22933					141	23.0	89	23617
SX7406	147	23.7	92	22133	148	22.0	98	23542	166	20.7	83	22116
SX7905	146	20.0	93	22400					135	17.6	95	21129
SX7909	150	23.1	97	22000	131	20.7	98	22285				
SX8001	131	20.1	97	23866								
MCCURDY												
46	136	18.8	98	23733	114	18.2	96	22742	144	18.3	92	23693
5596	142	20.2	98	24000	146	17.9	95	23657	173	19.3	68	23595
6262	143	22.0	95	23466								
6555	153	21.6	98	22533								
80-60	147	20.3	96	24000								
84	154	21.9	94	22800								
MIGRO												
HP 277	143	18.2	95	23333								
HP 360	143	19.1	99	22800								
HP 401	133	20.9	95	22533								
HP 470	153	21.2	97	23333	146	19.4	98	22742				
M-2018 X	142	19.9	95	23066	131	19.5	97	23085	159	17.9	89	21735
NORTHRUP-KING												
PX37	139	19.1	91	22933	110	18.1	99	23657				
PX39	153	19.7	97	22533	118	18.3	95	24000				
PX69A	153	21.5	98	23733	128	18.6	97	22400	151	18.2	92	23960
PX74	147	22.4	94	23733	143	21.1	96	23542	164	20.3	90	20523
PX9454	146	20.6	96	24000								
O'S GOLD												
SX1107	138	19.8	95	22933	135	17.8	96	24000				
SX5500AB	148	24.6	89	23866	158	21.7	100	23885				
SX5500A	143	22.5	98	23333	127	20.3	97	23885	195	20.0	86	22604
SX6880	131	19.3	97	23333								
SX6882	152	22.1	93	22933								
PFISTER												
1700	152	19.0	94	23600								
2400	132	19.5	92	23733								
2800	140	23.4	99	22933								
65	158	23.9	99	23733	150	21.2	98	24000	201	20.4	93	23573
PIONEER												
*3541	143	20.6	95	24000	138	17.1	99	23085				
*3732	152	19.2	98	23866								
*3780	138	19.1	98	24000	127	16.7	98	23428	140	16.1	86	22741
PREMIER HYBRIDS												
SX632	153	21.0	98	22400	142	19.7	98	21485				
SX64E-I	137	20.0	96	20933	109	17.6	98	23200				
PRIDE												
6611	133	20.2	91	23333								
6678	152	21.0	96	23333								
7759	151	22.8	92	24000	147	22.1	97	23542	175	21.7	92	22692
P-A-G												
SX 181	125	19.2	94	24000								
SX 333	136	23.2	97	23600								
SX 351	145	24.0	93	23866								
*SX 397	155	21.5	92	23333	116	18.5	89	22514	199	17.9	58	23743
STAUFFER SEEDS												
SUPER 14	178	25.2	98	23600								
SUPER 4	143	22.0	97	23333								
SUPER 80	144	23.7	96	23600								
S 6595A	154	21.6	96	24000								
SUPER-CROST												
2396	135	19.1	97	23200	127	16.9	99	22400				
2410	133	19.0	97	23866								
2790	141	19.5	97	23866								
4337	147	21.8	98	23466								
5440	147	22.1	98	23866	158	21.0	98	23771	180	22.3	87	22173
81061	143	22.2	94	23466								

ELWOOD, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
TRISLER												
EXP. 81-8	145	19.3	97	23066								
T-2660	130	20.0	96	22000								
T-2900	133	19.8	92	23066								
T-5150	136	21.8	92	23333								
T-5250	135	21.6	97	23733								
T-5256	132	21.5	89	23733								
T-5470	157	23.9	97	23600								
TROJAN												
TXS 115A	125	22.9	98	23466	139	20.4	95	23428	166	20.5	87	22462
T 1000	150	19.2	98	23600								
T 1058	141	20.2	97	24000	131	19.3	99	23085	146	17.9	79	23763
T 1069	159	19.5	96	23200	111	18.4	97	23428				
T 1100	160	22.0	97	23066								
U.S.S.												
0526	132	18.6	92	23466								
0555A	149	22.8	93	23466								
1010	132	23.9	96	23866								
VORIS												
V 2472	145	19.5	97	24000					145	18.9	87	23857
V 2491	156	21.2	97	23733								
V 2521	158	25.0	99	22000								
V 2542	153	25.5	96	22800	166	22.0	100	22285	186	21.1	92	23408
WYFFELS												
W-34	143	20.3	99	24000								
W-48	154	21.6	97	22666	158	19.3	99	23200				
AVERAGE OF 1981 ENTRIES	145	21.5	95	23365	132	19.5	97	23152	158	19.6	88	23100
L.S.D. 10% LEVEL	19	1.3	5	..	19	0.9	4	1214	28	1.4	9	1936
L.S.D. 30% LEVEL	12	0.8	3	..	12	0.6	2	765	17	0.9	6	1219
STD ERR OF HYBRID MEAN	8	0.5	2	519	8	0.4	2	520	12	0.6	4	828

Corn Hybrid Trial Results

GALESBURG (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-719	180	21.5	92	20000								
X-920	171	23.0	89	20000	148	18.1	98	18216				
AMERICANA												
3200	174	21.1	93	20000	147	17.7	99	19121	165	22.0	100	18903
4500	174	21.2	90	19600	146	18.3	98	19650				
4640	164	23.6	98	19066	141	20.3	98	17988				
4730	166	23.7	96	20000								
ASGROW												
RX777	183	21.5	95	19866	144	19.0	93	19780				
BO-JAC												
452	183	20.2	96	20000								
462	163	20.1	95	18800								
562	172	24.1	95	19600	142	20.4	99	18999	179	26.0	100	19429
CARGILL												
949	173	20.8	92	20000								
967	174	21.8	93	19333								
GROWMARK												
FS 675	172	19.7	99	19733								
FS 680	171	21.3	93	20000	127	17.8	95	18906	186	21.9	96	19494
LEWIS												
X52B	161	21.1	90	19466								
X53B	161	19.9	95	20000	135	15.9	99	19549				
X58B	175	21.4	97	19866								
X74B	175	24.7	96	20000								
MCALLISTER												
SX7300B	174	24.5	97	19733	159	19.9	98	18551	156	24.4	93	16934
SX7812	158	21.6	94	19866	153	18.8	98	18448	187	24.6	97	19741
SX8003	145	19.0	99	20000								
MIGRO												
HP 277	146	17.7	98	18800								
HP 360	140	18.6	100	20000								
HP 401	143	19.5	96	20000								
O'S GOLD												
SX5291	169	25.0	95	19200	155	20.1	100	18899				
SX5500A	164	20.8	93	19866	136	18.3	98	18436	181	22.2	94	20348
P-A-G												
SX 333	163	21.3	95	20000								
SX 351	170	22.0	90	19333	121	18.3	98	19330				
SX 397	144	19.4	83	19333								
SEAGULL												
SG 41PURL	162	21.8	94	19733								
SG 41-URL	170	21.2	94	20000	140	18.2	99	17454				
SX 23-URL	152	20.1	95	19066	131	16.5	97	19344	164	21.6	100	19872
STAUFFER SEEDS												
SUPER 14	162	24.3	95	18933					188	25.0	98	19576
SUPER 4	155	22.6	95	18800					177	23.3	95	19596
SUPER 80	174	21.0	91	19866								
S 6595A	159	20.0	98	20000								
114+	170	24.1	95	20000								
WHISNAND												
55W	170	24.8	86	19866								
57W	148	22.1	88	19733								
77W	132	23.1	85	19866								
AVERAGE OF 1981 ENTRIES	164	21.6	94	19683	135	18.2	98	19054	167	22.5	97	19337
L.S.D. 10% LEVEL	12	0.9	5	720	21	1.1	..	..	27	1.5	3	..
L.S.D. 30% LEVEL	7	0.5	3	452	13	0.7	..	..	17	0.9	2	..
STD ERR OF HYBRID MEAN	5	0.4	4	306	9	0.5	4	627	12	0.7	2	760

Corn Hybrid Trial Results

GALESBURG: INCREASED PLANTING RATE (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 5990	139	21.1	93	23733								
UC 8201	170	20.5	85	23200	149	17.7	99	22985	188	24.0	96	22680
X-94790	154	19.5	97	22266								
AINSWORTH												
X-516	161	21.8	90	24000	143	17.9	97	22784	180	23.1	94	20378
X-617	189	22.7	88	23200	156	20.2	98	21965	195	22.8	100	20138
AMERICANA												
3030	164	19.0	90	22666	133	15.5	97	23349				
3100	172	20.1	97	23600								
3120	177	20.7	89	22933								
3200	163	21.0	87	23600								
ASGROW												
RX777	192	21.3	85	24000	147	18.8	98	23253	162	22.4	99	23490
RX909	164	22.3	92	22933								
BO-JAC												
452	183	20.5	90	23466	147	16.8	94	23338				
462	180	19.9	97	22000								
562	177	23.3	89	23466	164	19.1	99	23811	201	24.3	99	21570
CARGILL												
921	161	20.3	88	23866	144	16.2	98	23502	155	21.6	96	23605
924	158	20.6	93	23866	136	17.2	100	22698	162	21.8	98	22997
934	147	20.3	87	24000	131	17.3	97	21552				
949	165	21.2	90	23466	144	17.3	95	22463	174	23.7	96	23499
967	180	21.4	93	23600					198	22.7	98	23588
CFS												
1450	154	18.4	80	23466	137	15.7	99	23388				
222	161	21.1	96	23733	135	17.3	98	22859				
4000	170	21.5	90	23200	151	17.7	97	21513				
6000	179	20.5	95	23333	145	16.3	98	22742				
CORNELIUS												
C62SX	177	19.8	95	24000	153	16.7	98	22518				
C77SX	157	21.2	92	22400	149	18.1	98	22813	196	23.0	96	23867
DAIRYLAND												
DX1007	154	18.6	93	23600								
DX1008	144	18.2	96	23066								
DX1012	145	19.9	94	21200	148	16.6	98	23595				
DX1016	157	21.0	91	22933	150	17.7	99	23188				
DEKALB												
XL 36	150	19.0	94	23066								
*XL 55A	165	20.1	94	23733	135	17.2	97	22636				
XL 56	162	20.3	91	24000								
XL 61	172	22.1	96	23333								
XL 67	174	21.5	92	24000	130	18.0	95	21835				
XL 72AA	159	20.5	92	23733	137	16.9	98	22492				
DOCKENDORFF												
7100	171	19.0	85	24000	140	16.0	99	23713	160	19.7	97	19071
7338	178	20.0	96	23733	139	16.5	98	23139				
7700	177	21.5	88	23866	161	18.5	98	22355	198	23.3	97	23776
7900	154	20.5	88	23066	153	17.4	97	23806	174	22.8	99	22450
EK PREMIUM												
EK7700	147	18.4	84	23733	144	17.8	99	23773	164	19.4	97	23688
EK7710	154	17.9	85	23200	136	14.5	99	22033	148	19.6	94	22853
EK7715	147	17.7	94	22800								
EK7720	164	18.7	92	23866	128	15.4	98	21772				
EK7750	144	19.8	95	23733	140	16.2	98	23235				
EK7760	147	18.3	92	23866	152	15.3	97	22568				
EK7770	159	21.6	93	23866	138	16.1	98	22933				
EK7775	166	19.9	95	22000								
EK7780	188	20.1	97	23733								
EK7785	172	20.4	97	22533								
EK8800	164	22.5	90	23333	134	18.1	97	22722	180	22.9	99	21505
EK8810	167	21.3	85	24000	142	18.1	100	22939				
EK8820	155	20.9	87	23733	121	18.4	94	21239	160	23.3	95	22024
EK8830	164	21.3	93	23600								
EK8860	177	23.8	94	22666								
EK8865	147	23.7	88	22933								
EK9900	202	22.7	95	23733	152	19.8	97	22378				
EK9910	149	23.7	81	23733								
EK9920	179	23.9	93	23866								
EK9930	178	24.4	92	21600								
EK9940	168	23.3	95	23200								
FEDERAL												
FT51	123	21.5	85	24000								
FX39	143	18.4	95	23200	143	18.4	99	21052	177	23.0	97	23435
FX59	136	22.7	82	23466	125	19.1	90	21798	136	25.4	95	21109
FUNK'S												
G-4315	150	18.1	96	23466					143	17.7	97	23518
G-4323	153	18.7	89	23333	126	14.8	98	22627				
G-4435	165	20.6	93	23733	132	17.0	96	22412				
G-4507	170	20.8	91	23600								
G-4520	155	20.9	93	24000	133	18.6	99	23945	190	23.4	97	23262
G-4522	180	22.1	92	23733								
G-4606	174	22.4	97	22266					203	22.1	98	23112

GALESBURG: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GOLDEN HARVEST												
*H-2500	151	20.9	92	23466					197	22.5	96	23538
GROWMARK												
FS 211	156	18.2	77	22400	138	15.1	98	23278				
FS 412	156	18.5	90	23600								
*FS 444	152	18.9	84	23466	137	15.5	99	21971				
FS 675	179	19.5	93	23466								
FS 680	171	20.9	95	23733	152	17.5	97	22975	169	23.5	98	22590
GSA												
2020	143	18.3	96	22400								
2260	143	18.1	85	23733								
2300	161	20.3	86	23466								
GUTWEIN												
2215	148	18.8	96	23466								
2440	159	19.7	78	23733								
2610	162	19.9	95	23466	145	16.3	98	22540				
46	178	19.1	85	24000	151	16.1	99	23355				
62	154	21.2	89	24000	140	17.4	98	20503				
HOBLIT												
425	165	20.3	98	22800								
ILL. EXPERIMENT												
R806XB73	155	23.1	89	23200								
LANDERS												
9903	141	18.2	89	21466	125	15.2	99	22594				
9904	162	18.9	97	23866								
9908	168	18.7	86	23066	131	15.3	98	22704	156	18.9	98	23331
9910A	174	21.0	90	23600								
9910	187	20.0	95	21333								
9918A	161	25.4	95	23733	134	18.8	94	21151				
LEWIS												
X29B	150	19.1	94	22533								
X52B	157	21.2	83	23333								
X53B	179	19.9	96	24000	136	15.8	98	23103				
X54B	163	20.0	97	21066								
X58B	170	20.7	94	23600								
X59B	160	21.5	85	24000								
X74B	176	23.9	93	23466	166	19.7	99	22481	204	25.0	100	21807
LOWE												
LSX 317	178	19.7	96	22666	124	16.7	97	23756				
LSX 401	175	21.5	92	23866	130	17.9	100	21335				
LSX 517	169	21.3	94	22933	131	17.7	97	23284				
LYNKS												
LX4305	161	19.7	94	23466								
LX4315	171	20.5	97	23866	142	16.2	98	22006				
LX4355	180	21.9	94	23866								
LX4500	166	23.9	88	20666	140	19.7	97	23128	187	26.2	99	23975
MCALLISTER												
SX7300B	175	23.7	94	23733	153	19.8	97	23502	187	23.5	96	22175
SX7300	176	21.1	88	23466	159	17.9	100	22939	180	23.5	99	22503
SX7406	185	21.7	90	22800	139	18.2	98	21161	176	23.8	99	18755
SX7812	185	21.8	72	23600								
SX7905	172	18.9	91	22933	138	15.3	99	22766	172	19.0	99	23607
SX7909	158	20.5	94	21333	142	17.2	98	22740				
SX8003	158	18.4	97	24000	139	15.1	100	23225				
SX8008	172	19.9	99	24000								
SX8009	157	20.1	95	23333								
MCCURDY												
5596	159	19.1	84	24000	149	18.0	99	22641	183	21.9	96	21758
6262	142	21.1	94	23600								
6555	190	20.3	97	22933	136	16.2	94	21668				
7440	174	20.6	87	22666	152	17.7	96	23440	182	24.1	94	23626
80-60	156	19.4	95	23200								
84	166	20.9	91	22933								
MIGRO												
HP 277	152	17.7	95	23866								
HP 360	154	19.2	97	23600								
HP 401	168	19.2	95	23200								
HP 470	160	19.6	95	24000	142	16.4	96	22376				
M-2018 X	134	18.5	76	23600	140	15.5	98	22672				
SPX 77	158	24.5	97	23600	154	19.6	97	24030				
MOEWS												
*SM3620	169	21.3	90	24000								
NORTHRUP-KING												
PX37	152	18.2	93	23600	116	14.9	97	22434				
PX39	147	19.7	83	22933	138	15.1	99	23790				
PX69A	158	19.1	96	24000	135	16.7	98	22697	147	22.4	95	23794
PX74	169	20.9	87	24000	147	17.3	97	23195	181	22.9	99	22889
PX9454	159	19.0	89	23066								
O'S GOLD												
SX1107	158	18.2	93	23200	135	14.8	97	23024				
SX5291	185	24.0	96	23866								
SX5500A	178	20.6	96	23866	147	17.3	99	22114	184	23.2	98	23244
SX6880	157	18.3	93	24000								
SX6882	175	19.3	91	24000								

GALESBURG: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
PFISTER												
KERNOIL	165	22.3	88	23200	132	19.2	98	22147				
2400	146	19.4	86	23333								
2800	168	19.8	95	23333								
75	169	20.1	93	24000	148	17.5	94	22215	204	22.7	94	20560
PICKERING												
422	155	18.5	97	24000								
455	152	19.0	91	23066	116	15.5	98	23758				
533	174	19.5	95	23200	144	15.7	98	21779				
PIONEER												
*3541	171	18.5	97	23466	127	15.2	96	22868	185	19.2	95	22393
*3780	158	17.8	97	23866	120	14.0	98	23938	158	17.6	100	23891
POCKLINGTON												
P-401	156	18.5	79	23600								
P-5511	177	22.3	92	22800								
P-601	159	21.4	87	23333	136	17.1	95	22632	179	22.3	95	21634
PRIDE												
6611	159	18.4	87	23066								
7715	149	21.6	84	23600	145	17.6	98	22880	191	22.3	98	20789
7759	163	22.1	91	24000	153	19.1	99	22715	170	24.2	96	23661
P-A-G												
SX 333	159	21.6	87	23733					213	22.5	93	23306
SX 351	184	22.7	95	24000	121	18.8	95	20108				
*SX 397	153	18.8	83	24000					134	19.6	95	23085
SEAGULL												
SG 41PURL	176	20.7	92	23466								
SG 41-URL	189	20.6	89	23466	146	18.1	98	23128				
SX 23-URL	174	19.3	95	23600	149	16.8	99	21579	186	20.4	96	22978
SX 40-URL	178	21.5	87	23466					183	23.8	98	23009
SHISSLER												
GR-8 166	136	18.0	75	24000								
GR-8 168	149	18.6	95	24000								
GR-8 176	168	20.2	93	23333								
GR-8 180	163	18.3	88	23866								
GR-8 190	155	21.2	89	23733								
SIEBEN												
35XS	179	19.8	93	24000								
45XS	180	22.3	96	22266								
*46XS	169	21.6	93	23600	143	17.7	98	21182	181	24.5	94	21700
*68XS	197	24.1	98	24000								
STAUFFER SEEDS												
SUPER 14	165	24.1	91	22666	147	20.2	99	22459				
SUPER 4	163	21.2	91	22933	154	18.1	97	19917				
SUPER 80	183	20.3	91	23466								
S 6595A	173	19.8	94	24000								
114+	185	23.6	94	23200								
STEWART HYBRIDS												
6873	156	21.3	92	24000	134	17.4	99	22469				
7304	178	19.9	97	24000								
7324	175	24.5	90	24000								
SUPER-CROST												
2790	145	18.7	97	23600								
4337	174	19.4	93	24000								
5440	175	21.2	93	23333	136	17.7	97	21902				
7600	162	24.1	91	23866								
*7801	156	23.2	94	22666								
80052	160	21.1	94	23333								
81061	176	21.1	93	23600								
TRISLER												
T-2660	127	18.7	95	22000	134	14.8	94	22687				
T-2900	149	19.0	93	23466	124	15.4	98	22620				
T-5250	167	20.4	97	22533	138	16.4	98	21284				
T-5256	170	21.1	83	24000								
TROJAN												
TXS 115A	176	20.6	93	23333	131	18.4	97	22110	185	21.6	97	23992
T 1000	151	18.3	97	24000								
T 1058	143	18.2	88	23466	121	15.7	96	23457	142	19.1	98	23326
T 1069	152	19.0	90	23333	128	15.6	99	22913				
T 1100	180	19.5	96	23466								
U.S.S.												
0526	154	18.1	91	22666	138	14.9	100	23311				
0555A	148	20.4	88	23466								
VORIS												
V 2472	156	18.7	90	23066					149	19.3	97	21171
V 2491	163	20.0	95	24000								
V 2601	162	21.2	93	24000					180	24.0	97	22376
WYFFELS												
W-48	177	19.5	93	24000	144	16.6	97	24032				
W-65	186	24.4	93	24000	167	19.5	96	22550	191	25.9	98	22424
AVERAGE OF 1981 ENTRIES	164	20.5	91	23397	137	17.3	98	22632	168	22.1	97	22654
L.S.D. 10% LEVEL	20	0.8	7	1191	18	0.8	4	..	24	1.6	..	..
L.S.D. 30% LEVEL	13	0.5	5	751	11	0.5	2	..	15	1.0	..	..
STD ERR OF HYBRID MEAN	8	0.3	3	511	8	0.3	2	735	11	0.7	2	1019

Corn Hybrid Trial Results

MACOMB (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-617	169	23.1	98	22769	150	18.9	95	23214				
X-619	170	22.4	89	23076	143	18.8	93	22834				
X-920	181	23.5	98	23384								
AMERICANA												
3030	140	18.5	92	23076	132	15.2	77	23899	140	15.6	100	23631
3100	157	19.1	96	24000								
3120	168	20.7	99	21076								
*3200	178	21.2	96	21846	97	17.4	91	22530	160	19.2	97	22349
4100	156	21.4	98	23692								
4640	178	23.0	99	23076	139	19.4	95	21862	178	20.4	99	23709
4700	182	20.9	96	23846	127	18.1	87	22994	182	18.1	99	24022
4730	179	23.2	96	23846	148	17.7	91	21681				
ASGROW												
RX777	181	20.6	93	23384								
CARGILL												
921	176	18.6	97	24000	143	16.8	87	21897	141	17.2	93	23973
949	173	20.3	98	23538	118	17.0	97	21704	158	19.0	96	20178
967	199	20.5	98	24000					157	18.7	98	23630
CFS												
W4100	146	23.0	93	14153								
W5410	165	19.0	97	23384								
6000	165	19.3	97	22615								
8000	189	24.6	96	23846								
DEKALB												
XL 64	149	20.9	97	24000	125	17.8	94	21567				
XL 70	169	21.3	99	24000	128	16.8	96	21853				
XL 71	189	22.0	98	23384	121	18.0	94	23539				
*XL 72AA	179	20.6	97	22000	114	17.4	92	23362	172	18.9	99	23343
XL 74B	165	23.1	94	23076								
*XL 75	183	20.8	100	23846								
DENNIS												
DS25	181	19.4	100	22769								
DS39	165	24.6	98	23538								
EK PREMIUM												
EK7700	151	18.9	92	23230	143	16.9	96	20939				
EK7710	145	18.2	90	20769	121	14.4	85	21168				
EK7715	137	17.0	95	22615								
EK7760	158	17.7	92	24000	123	14.7	89	20592				
EK7770	162	20.6	98	22923	127	15.8	85	22849				
EK7775	153	19.3	99	20461								
EK7780	169	19.6	97	21230								
EK7785	174	20.0	95	24000								
EK8800	168	21.3	98	23692	116	16.8	92	22258				
EK8810	177	20.3	99	23230	149	16.8	93	23257				
EK8820	168	20.4	98	22461	125	17.9	95	19911				
EK8830	160	21.0	99	24000								
EK8860	167	23.5	94	24000								
EK8865	157	24.1	95	23538								
EK9900	195	23.7	96	22153	144	19.4	91	21478				
EK9910	158	23.9	90	23846								
EK9920	176	23.8	96	23538	145	20.5	97	23761				
EK9930	186	24.1	97	22307								
EK9940	174	22.9	98	21538								
FUNK'S												
G-4435	172	20.2	98	23538	133	16.0	93	23057				
G-4520	171	19.9	96	24000	133	17.9	91	18185	171	18.7	96	22457
G-4522	188	20.3	99	22461								
*G-4606	180	21.6	97	22153	134	17.9	96	21661	180	18.2	99	23978
GOLDEN HARVEST												
*H-2500	158	20.4	96	21846								
GOLD TAG												
2006	142	18.0	96	23384	139	16.1	96	22366				
2060	155	17.5	88	23230	126	14.7	88	21437				
3006	162	19.2	97	23076	142	15.3	96	21288				
3008	154	20.7	91	23230								
3020	164	20.4	96	23538	149	16.8	91	22455				
GREAT LAKES												
GL 612	174	21.2	99	21846								
5922	140	20.2	100	23846								
80106	169	18.6	99	23846								
GROWMARK												
FS 675	171	19.5	99	23230								
*FS 680	168	20.6	96	19692	130	16.3	92	20724	151	18.2	98	20897
FS 685	169	21.5	96	22769								
FS 850	179	22.6	89	21846	148	18.9	90	21362				
FS 852	196	23.1	97	23384								
GSA												
2020	141	16.5	99	22769								
2260	153	18.0	98	23538								
2300	168	21.1	98	21692								

MACOMB, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
LANDERS												
9910A	151	21.2	100	22769								
9910	149	18.9	97	18923								
9915	160	21.2	96	24000	121	16.6	87	22524				
9918A	181	24.3	96	23846								
9918	170	21.1	99	22461	117	17.4	93	23399				
9920	194	22.1	99	23692								
9922	186	24.5	97	22000	139	18.6	90	21835				
LEWIS												
X19B	142	17.8	95	21692								
X29B	161	18.5	97	23230								
X52B	165	20.5	93	22615								
X53B	167	19.8	99	23076	132	15.3	96	23200				
X54B	154	20.4	100	16923								
X58B	164	20.0	95	22769								
X59B	204	21.9	97	23384								
X60B	179	21.0	98	23692								
X71B	201	20.2	97	23384								
X74B	191	23.9	95	24000	137	18.5	87	22797	164	20.8	99	21954
*X81B	181	23.7	97	22769	126	18.8	91	22880	196	20.9	95	23227
X91B	171	23.3	98	23692								
X92B	183	23.0	95	22615								
X93B	162	22.2	97	21846								
LOWE												
LSX 317	169	19.3	96	23076								
LSX 401	181	22.4	98	23230								
LSX 507	180	24.7	98	22769								
LYNKS												
LX4305	162	19.2	98	23076								
LX4315	183	19.9	99	23384								
LX4355	206	22.0	98	24000								
LX4500	184	24.7	98	21538	150	18.2	94	22652	161	20.6	99	22567
MCALLISTER												
SX7300B	191	25.1	97	22769	173	19.1	95	19142	161	19.7	96	23174
SX7300	177	20.9	96	22769	124	17.4	94	20332	167	18.5	97	23619
SX7909	163	19.8	100	22615	149	16.5	98	20305				
SX7918	148	21.5	93	23692	148	19.6	92	18446				
SX8009	157	20.8	100	22461								
MCCURDY												
6262	168	21.9	97	24000								
6555	166	19.9	97	23538								
7440	176	20.4	98	22153								
7676	172	21.1	92	23384								
80-60	162	18.3	99	24000								
84AA	191	24.6	98	24000								
84	171	20.3	95	24000	116	16.1	92	22648	183	17.9	99	21023
MIGRO												
HP 360	126	18.3	98	16615								
HP 401	160	18.3	100	24000								
HP 470	164	18.6	100	23538	130	15.6	100	23891				
M-0707	178	24.0	98	24000	165	17.8	98	23796	165	19.7	99	22424
NORTHRUP-KING												
PX69A	136	18.8	93	21846	152	16.3	85	24132	141	16.6	97	24021
PX74	180	19.9	97	22769	130	16.3	95	22154	175	18.7	99	23947
PX83	172	23.5	96	24000	142	19.0	92	23395				
PX87	184	23.9	92	22615	130	19.7	98	23769	197	20.1	99	23946
PX9454	158	18.2	89	24000								
PX9573	174	20.2	96	23846								
O'S GOLD												
SX5291	171	24.7	100	24000	153	18.5	94	21136				
SX5509	166	23.8	96	24000	145	19.0	93	22190				
SX6882	174	18.5	100	22923								
PICKERING												
499	164	20.0	97	23384								
533	168	20.2	98	22923	137	16.5	97	22027				
633	150	21.5	100	21692	168	18.5	98	21979				
PIONEER												
*3183	175	23.3	100	22769	160	20.0	97	23214				
*3541	149	17.6	96	23846								
POCKLINGTON												
P-401	153	18.1	92	21692					152	15.6	100	23257
P-5511	165	20.3	95	22307								
P-601	152	22.3	97	21384	109	16.0	77	20562	151	18.1	99	22189
P-602	165	20.9	97	21692								
P-6392	163	22.4	96	22923	117	17.5	87	22265	151	18.5	97	23839
P-6441A	145	22.1	91	22923	141	17.7	93	22355	167	19.6	99	22143
P-6441	163	23.0	93	24000	129	18.0	90	22220				
P-702	154	20.7	99	23846	113	17.6	95	22799				

MACOMB, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
P-A-G												
SX 333	179	21.4	99	23230	122	16.6	93	22949	174	18.3	99	23722
SX 351	205	22.1	99	23230	137	17.7	97	23206				
SX 397	165	18.1	98	23846								
*SX 98	148	23.4	92	23384								
SHISSLER												
GR-8 166	151	17.6	94	23692								
GR-8 168	142	17.8	94	22923								
GR-8 176	171	18.8	98	22461								
GR-8 180	153	17.8	96	23538								
GR-8 190	180	20.5	93	24000								
SIEBEN												
35XS	179	19.2	100	23384								
45XS	198	22.0	99	23076								
46XS	185	21.3	96	23538								
68XS	175	24.5	96	23846								
STAUFFER SEEDS												
SUPER 14	177	23.4	99	22461								
SUPER 4	171	22.2	100	23692								
SUPER 80	174	19.8	98	24000								
S 6595A	161	20.0	98	22461								
114+	184	24.1	99	22000								
STEWART HYBRIDS												
6873	151	20.3	99	23538	107	16.2	96	23918				
7304	167	19.2	97	22923								
7700	175	23.3	97	23538								
SUN PRAIRIE												
SP230	166	19.6	97	21076								
SP232	161	21.4	94	23384								
SUPER-CROST												
2790	167	18.2	95	23846								
4337	170	19.2	97	23846								
5440	174	20.5	96	23846	119	16.6	94	22668	154	19.0	97	23155
7600	195	23.7	100	24000	153	18.0	92	19657				
80052	163	20.3	95	24000								
81061	161	20.5	89	23692								
TROJAN												
TXS 115A	181	20.8	96	22461	114	16.2	97	22703	172	19.0	97	24011
T 1000	146	16.5	98	24000								
T 1058	148	17.9	97	21384	116	16.5	87	21396				
T 1069	155	18.0	88	23076	111	15.1	88	22639				
T 1100	174	19.1	100	22769								
WYFFELS												
W-48	171	19.4	99	24000	144	15.8	97	22362				
W-65	191	24.4	98	24000	142	18.5	92	21194	163	21.5	96	22842
AVERAGE OF 1981 ENTRIES	169	20.9	96	22948	130	17.2	92	21997	162	18.5	98	23046
L.S.D. 10% LEVEL	21	1.3	4	1941	26	1.2	10	2307	24	0.8	..	..
L.S.D. 30% LEVEL	13	0.8	3	1223	16	0.7	6	1453	15	0.5	..	..
STD ERR OF HYBRID MEAN	9	0.5	2	832	11	0.5	4	988	10	0.4	1	909

Corn Hybrid Trial Results

KILBOURNE, IRRIGATED (28,000 PLANTS PER ACRE, 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ACCO								
UC 6990	129	18.5	96	27317				
UC 7251	135	18.9	96	27954	105	16.0	89	20476
UC 8201	165	19.3	97	27776	115	16.1	88	21238
AINSWORTH								
X-617	149	20.4	96	27901	144	18.9	93	21238
X-908	127	19.5	91	28000				
X-910	145	18.5	93	26964	130	16.5	85	22761
X-912	100	19.1	97	27567	121	15.4	97	21809
X-918	146	21.1	95	26918				
X-920	119	20.7	95	27648	137	17.0	86	20190
CARGILL								
921	135	18.0	94	27626	96	15.4	88	22857
924	107	18.1	97	26137				
949	149	19.2	96	27272	127	16.8	94	22857
967	170	19.5	98	27485				
CFS								
W6420	170	18.6	88	27869	129	16.1	87	21238
4000	131	20.6	91	27825	127	16.5	95	18666
8000	137	21.9	95	27918	127	18.8	96	20952
DEKALB								
XL 55A	133	19.4	95	27256				
XL 67	142	19.7	96	27961	120	16.9	92	20952
XL 70	136	20.4	95	26707	109	17.1	93	20000
XL 72B	160	21.2	93	27920	115	17.0	98	18857
XL 74A	140	20.6	96	28000				
XL 74B	147	21.0	96	28000				
EK PREMIUM								
EK7700	121	18.1	96	26942	119	17.2	96	19523
EK7710	126	16.4	92	27061	115	14.7	74	21809
EK7715	121	16.6	97	27347				
EK7760	132	16.8	97	27687	121	14.5	94	19333
EK7770	115	19.4	90	27130	111	14.8	84	22380
EK7775	131	17.7	95	27151				
EK7780	128	17.7	98	26854				
EK7785	130	18.5	95	27640				
EK8800	176	20.1	96	27939	111	16.6	95	21523
EK8810	132	19.7	93	27295	91	14.7	85	23619
EK8820	150	20.2	93	27926	102	15.8	91	20571
EK8860	106	21.4	96	27917				
EK8865	124	20.6	95	27313				
EK9900	131	21.9	97	27985	131	18.3	90	21904
EK9910	134	22.5	93	27918	117	18.7	77	21428
EK9920	143	22.8	92	27336	126	19.3	96	21714
EK9930	125	21.4	90	27818				
EK9940	126	20.9	96	26383				
FUNK'S								
G-4435	129	17.6	97	25239	113	15.6	97	22380
G-4520	136	19.8	96	26771				
G-4522	149	20.0	98	27975				
G-4606	129	20.5	98	25437	120	17.0	95	22380
GROWMARK								
FS 675	102	16.6	96	27860				
FS 680	139	19.8	96	27978	119	16.7	93	22285
FS 685	126	21.1	96	27795				
FS 850	128	21.8	90	28114	119	17.6	75	22571
FS 852	156	22.6	95	27650				
FS 854	101	22.8	90	26903	137	18.7	88	22285
GSA								
2020	97	16.2	96	25852				
2260	139	17.3	94	27967				
2300	154	18.6	91	27985				
HOBLIT								
454	166	22.3	97	23932				
LEWIS								
X52B	140	19.8	95	27996				
X53B	133	18.0	96	28000	119	15.3	99	22571
X54B	120	17.1	98	26015				
X58B	143	20.2	96	27500				
X59B	151	21.2	99	27903				
X71B	124	19.0	98	27334				
X74B	119	21.5	97	27972	122	19.2	96	20761
X81B	133	22.6	94	27886	125	19.5	94	22571
X91B	137	21.0	95	27252				
X92B	169	21.2	94	27785				
LYNKS								
LX4315	137	18.0	96	27603	119	15.1	96	17714
LX4355	145	21.0	97	27045				
LX4500	120	23.1	95	25650	126	19.8	97	21047
MACON								
110	143	19.6	95	26356				
210	148	19.5	92	26920				
221	139	20.9	95	26255				
300	153	20.9	93	23791				
344	99	19.6	93	26917				
420	145	19.2	96	27480				

KILBOURNE, IRRIGATED, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MCALLISTER								
SX7300B	131	21.8	97	27436				
SX7918	142	21.8	94	26691	117	19.0	96	19523
SX8001	84	16.0	95	27179				
MCCURDY								
6555	135	18.4	98	27410	129	15.3	95	21333
7484	148	19.7	96	27600				
7676	142	19.7	95	27913				
7787	127	20.8	93	26162				
80-60	134	16.8	98	27857				
84AA	174	22.4	93	27984	111	19.5	96	22095
MIGRO								
HP 360	128	17.7	95	25632				
HP 401	110	15.5	97	27865				
HP 470	123	17.1	97	27056	135	16.1	94	22952
HP 87	153	22.4	96	27688	126	18.9	95	21142
M-0707	141	20.8	96	28000	126	18.5	94	22666
SPX 77	131	21.3	96	27282	131	18.6	86	20666
O'S GOLD								
SX5291	137	21.8	98	27738				
SX5509	148	22.4	97	26566	116	19.4	94	22095
SX6882	131	17.6	99	27376				
PFISTER								
KERNOIL	139	20.0	90	25196	116	17.9	94	21714
2800	122	17.6	97	27916				
65	122	20.3	96	27785	109	17.2	98	22952
PICKERING								
533	119	17.7	96	27965	119	14.7	97	22952
POCKLINGTON								
P-401	135	17.2	96	28000				
P-5511	150	19.2	97	27204				
P-601	129	20.0	95	26509	107	16.1	92	20761
P-602	140	19.6	97	27932				
P-613	119	20.0	85	27860				
P-6441	116	20.2	81	27091				
P-702	135	19.1	77	27936	114	17.1	95	18380
PRAIRIE STREAM								
GOLDEN CROSS SX50	130	17.6	96	27541				
PRIDE								
6678	126	17.4	97	27571				
7715	126	20.0	95	26422	124	16.7	90	21619
7759	111	21.0	97	27902	110	18.2	93	21619
P-A-G								
SX 333	139	19.5	95	27614	130	16.5	88	22380
SX 351	139	19.5	98	26493	98	17.7	98	21142
SX 397	125	17.2	72	27686				
SHISSLER								
GR-8 168	66	16.3	97	27384				
GR-8 176	120	17.5	96	27564				
GR-8 190	143	20.0	94	27841				
GR-8 196	162	22.1	92	27466				
GR-8 198	136	21.3	96	27921				
STAUFFER SEEDS								
SUPER 14	139	21.0	94	27862				
S 8818	139	22.4	98	27883				
114+	132	21.7	95	27970				
STONE SEED FARMS								
SX34	125	18.0	97	28000	125	14.7	98	22857
SX38	153	20.5	95	27385	109	15.8	83	22571
SX42A	166	22.5	99	26291				
SX73	133	19.8	96	24072	84	17.5	95	20380
SUPER-CROST								
4337	130	17.9	96	26567				
7600	145	21.7	93	27128	129	19.2	90	17714
80052	129	19.6	92	25722				
81061	147	19.8	93	27440				
TROJAN								
T 1100	145	18.1	96	27166				
T 1189	135	19.8	91	26700	127	18.3	94	21333
VORIS								
V 2491	123	17.7	97	26851				
V 2521	120	18.3	97	28000				
V 2641	156	22.2	95	26027				
WYFFELS								
W-48	132	18.2	98	26742	133	15.7	96	21428
W-65	145	21.2	95	28000	113	19.0	79	15809
AVERAGE OF 1981 ENTRIES	134	19.7	95	27270	112	16.8	92	21478
L.S.D. 10% LEVEL	25	1.0	5	..	24	1.0	9	2500
L.S.D. 30% LEVEL	15	0.6	3	..	15	0.6	6	1575
STD ERR OF HYBRID MEAN	10	0.4	2	857	10	0.4	4	1070

Corn Hybrid Trial Results

URBANA (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516	151	24.9	92	19200								
X-617	152	24.3	93	19600	134	22.0	97	20000	186	27.7	99	19526
ASGROW												
RX777	158	23.7	47	19866								
RX858	147	24.6	84	19733								
RX909	164	27.6	93	19733	109	21.1	100	19753				
BO-JAC												
452	166	23.2	96	20000								
462	149	23.0	91	17466								
562	175	28.1	96	19733	135	22.7	100	20000	197	27.1	100	19740
CARGILL												
921	165	22.2	84	20000								
967	150	26.1	67	19866	84	21.3	98	19876				
DAIRYLAND												
DX1007	145	20.0	78	19866								
DX1008	141	19.8	95	20000								
DX1012	152	23.2	93	19466								
DX1016	151	23.7	72	20000								
GOLDEN HARVEST												
EXP436	120	21.5	50	19466								
H-2500	151	24.2	72	20000								
H-2630	148	27.5	43	20000								
GROWMARK												
FS 675	153	24.3	82	20000								
GUTWEIN												
2215	144	21.2	98	19733								
2440	151	19.9	58	18000								
2610	153	21.6	95	19733								
62	159	25.3	89	19600								
ILL. EXPERIMENT												
R806XB73	144	25.7	49	19600					174	31.6	99	18762
LEWIS												
X52B	119	21.3	28	19733								
X53B	156	22.8	94	20000	110	18.8	96	19629				
X54B	158	23.1	98	18000								
X58B	154	23.0	87	19333								
X59B	166	25.0	83	19866								
X74B	161	27.2	82	20000								
X81B	112	29.2	46	20000	94	23.3	93	19876	205	26.5	97	19762
X91B	145	27.5	95	19866								
X92B	159	25.3	91	19733								
MCALLISTER												
SX7300B	171	25.6	85	20000	120	22.5	100	19876	182	25.7	91	20010
SX7909	156	23.2	94	18933	130	19.9	100	19876				
SX8009	151	22.0	83	19866								
MIGRO												
HP 401	143	21.3	89	19600								
M-0707	180	27.9	96	20000	115	22.2	99	20000	184	30.7	96	20017
M-2018 X	134	19.4	84	20000	114	17.4	98	20000				
SPX 77	154	26.1	91	19866	140	22.9	99	20000				
POCKLINGTON												
P-701	148	30.0	72	20000					182	28.5	97	20017
PRINCETON												
SX810-A	126	18.7	57	19466								
P-A-G												
SX 333	140	23.6	57	20000								
SX 351	156	25.2	66	20000	98	20.8	100	20000				
SX 397	158	20.0	81	19733								
RING AROUND												
1404	140	24.4	97	20000								
SOHIGRO												
57	156	23.9	76	20000								
68	156	24.8	76	19866								
STAUFFER SEEDS												
SUPER 14	161	26.5	90	19866					193	29.0	98	20003
SUPER 4	161	23.8	80	19466								
SUPER 80	139	23.3	32	19466								
S 6595A	155	21.9	95	20000								
114+	166	25.7	89	20000					193	31.0	97	19982
SUN PRAIRIE												
SP540	149	28.5	65	20000	121	23.9	97	19753	191	29.7	98	20001
SP600	161	26.1	74	19733	120	22.8	98	17654				
THOR-O-BRED												
SX 536	159	25.4	86	20000								
SX 544	151	23.9	74	20000								
SX 545	149	24.7	85	19866								
SX 600	128	26.6	60	20000								
AVERAGE OF 1981 ENTRIES	151	24.2	78	19705	107	20.9	97	19677	167	27.9	96	19853
L.S.D. 10% LEVEL	19	1.9	21	815	20	1.4	11	..	22	3.1	5	..
L.S.D. 30% LEVEL	11	1.2	13	513	12	0.9	7	..	14	1.9	3	..
STD ERR OF HYBRID MEAN	8	0.8	9	347	8	0.6	5	391	10	1.3	2	331

Corn Hybrid Trial Results

URBANA: INCREASED PLANTING RATE (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 5990	153	18.3	44	22800								
UC 6990	160	20.3	43	23333								
UC 7251	146	20.6	38	23333	137	19.2	97	22933				
UC 8201	141	20.2	55	22266	125	19.1	99	22800				
X-94790	162	18.7	71	24000								
AINSWORTH												
X-908	139	20.3	45	22533								
X-918	158	25.1	50	22933								
AMERICANA												
3030	121	19.5	9	22266	126	17.1	97	23333				
3100	157	20.6	65	23466								
3120	141	21.2	56	23333								
3200	137	20.0	21	23866	137	19.0	97	23733	171	25.9	96	23750
4640	173	23.8	78	22533	135	21.2	93	24000	194	27.2	100	23750
4700	155	20.5	63	23866	131	19.7	97	21866				
4730	158	24.3	43	23733	152	22.1	100	23066				
4808	160	22.7	56	23466								
ASGROW												
RX777	131	24.4	37	23466	133	21.3	93	22533	163	25.8	99	22625
RX858	160	21.6	66	24000								
RX909	143	22.6	57	23466	170	21.9	99	23466	187	27.3	97	22875
BECK'S												
65XS	151	18.9	59	23333								
86X	161	24.4	58	24000	150	21.5	100	22266				
89X	148	24.0	49	23733	164	22.9	100	23866				
BO-JAC												
*432	166	19.8	66	23866	120	17.7	99	22800	159	23.3	98	23250
452	158	21.2	55	24000	150	18.5	98	21066	186	23.5	100	24000
462	169	19.6	38	20533								
562	159	23.4	60	23600	152	22.6	100	23466	173	26.8	100	23625
CAMPBELL												
C-68	146	18.6	41	23866	143	18.3	100	22266				
C-99	168	24.1	54	23866	164	23.6	99	22666				
CARGILL												
*921	161	20.1	66	23600					152	24.4	96	23375
924	139	20.9	69	23200					149	22.5	98	23500
949	138	20.0	68	23200	135	18.8	100	23466	167	25.0	96	24000
967	153	21.2	54	23600	102	20.6	99	23466	206	26.2	98	24000
CFS												
W4100	143	23.6	50	21466	131	21.7	97	21066	202	25.1	97	23625
W6420	135	20.9	26	23733	132	18.5	98	20800				
222	152	21.3	58	22933	122	18.4	98	21733	181	26.7	95	24000
4000	142	20.9	60	23866	163	21.2	99	22933				
DEKALB												
XL 55A	163	20.3	57	24000								
XL 56	168	21.1	77	22933								
XL 67	165	22.4	32	23600	132	20.1	87	23333				
*XL 72AA	150	21.3	64	23866	109	18.5	100	20933	170	25.4	96	23750
XL 73	159	22.5	67	23600								
XL 74A	156	24.4	67	23866								
XL 74B	153	23.7	37	23600								
XL 75	141	21.8	27	22266								
DENNIS												
DS25	153	18.0	58	24000	140	19.0	99	21600				
DS26	151	20.6	29	22933	132	23.3	100	23200				
DS39	155	24.1	67	23466	144	24.4	99	21866	188	29.1	100	23125
3A	124	16.8	32	23600								
5A	156	18.3	32	23466								
DOCKENDORFF												
7100	125	19.2	20	23600								
7338	166	18.7	70	24000								
7700	156	20.9	31	23333								
7900	161	20.3	32	23600								
EK PREMIUM												
EK7700	133	18.5	75	24000	129	19.9	100	22400				
EK7710	152	18.8	37	22533	127	15.6	92	20933				
EK7715	141	17.1	52	24000								
EK7760	141	19.0	52	24000	120	17.4	100	21866				
EK7770	129	20.3	21	23733	112	17.4	100	23333				
EK7775	151	19.1	58	22800								
EK7780	181	21.0	79	23600								
EK7785	163	20.9	48	22133								
EK8800	154	20.6	22	24000	133	19.1	100	21466				
EK8810	169	20.9	55	23733	132	19.6	99	23866				
EK8820	151	19.9	37	23200	128	20.5	96	22400				
EK8830	150	20.4	38	23600								
EK8860	149	24.8	49	23733								
EK8865	148	22.7	46	23466								
EK9900	153	22.6	52	23733	150	22.2	100	22133				
EK9910	186	23.4	43	23866								
EK9920	150	23.0	53	23600	128	23.9	98	22666				
EK9930	172	23.5	51	23333								
EK9940	134	21.7	37	23600								

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
FULLER												
10	130	18.8	36	24000	114	16.3	97	22533				
19	123	18.8	24	22933	128	16.9	99	22533				
39	141	20.2	29	23600								
45	167	19.6	57	23600	129	18.7	100	22400				
68	128	20.3	48	23466	132	20.0	100	22000				
70	160	21.2	76	23600	138	19.9	98	20000				
FUNK'S												
G-4315	145	17.5	42	23200					147	21.1	97	23000
G-4323	130	16.8	42	23600	122	16.4	97	23733				
G-4435	130	19.0	49	23733	128	18.7	98	23200				
*G-4520	155	21.5	62	24000	123	19.9	94	21333	187	25.8	98	23750
G-4522	159	19.7	61	24000								
G-4606	148	20.1	22	24000	105	20.9	81	22400	185	25.2	98	23000
GOLDEN ACRES												
T-E 6992	146	20.0	35	23733	122	18.8	97	19866	152	24.9	94	23625
T-E 6995-A	163	20.5	41	23733	119	19.1	99	18800	133	27.3	98	23500
T-E 6995	152	20.4	48	23466	142	19.4	97	22533	180	26.3	98	23125
GOLDEN HARVEST												
EXP436	130	21.0	23	23466								
H-2448	121	18.0	13	23066								
*H-2500	148	20.6	36	24000	131	18.9	97	21733	169	27.0	95	23625
H-2535	157	19.2	62	23733	121	18.3	98	22800				
GOLD TAG												
3006	153	20.0	47	24000	130	19.3	100	22533				
3008	124	19.6	37	23333								
3020	179	20.0	66	23200	150	19.9	100	23466	152	26.8	95	22375
GREAT LAKES												
GL 552	141	18.0	36	23600								
GL 592	139	18.6	67	23066								
GL 612	131	20.1	25	23200								
5922	146	20.7	54	24000								
GROWMARK												
FS 444	139	18.6	41	23733	127	16.5	99	22133				
FS 675	170	20.3	58	22933								
*FS 680	162	19.7	23	23600	136	19.2	98	22133	165	27.0	96	23875
FS 685	155	22.5	60	23600								
FS 850	131	24.4	29	22800	128	21.3	98	23066	171	27.0	93	23625
FS 852	130	24.2	38	23866								
GSA												
2020	142	17.6	66	23733								
2260	138	17.6	37	23200								
2300	116	19.4	32	22666								
HOBLIT												
425	154	19.7	55	24000	139	18.1	99	22133				
441	133	21.3	34	23600	145	19.5	99	21733	184	25.5	94	24000
ILL. EXPERIMENT												
R806XB73	150	21.2	32	23600								
JACOBI												
CX56	161	19.3	65	23333								
CX59	135	21.8	29	22533								
CX66B	137	19.9	61	24000								
CX67	144	19.5	59	23466								
X3742	167	23.7	36	24000								
LANDERS												
9904	148	17.8	79	23866								
9908	155	18.0	52	23733	124	16.5	100	22666	140	20.9	97	24000
9910A	138	20.5	31	23333								
9910	153	21.2	77	18266								
9915	136	21.9	31	23600	133	19.2	99	21733	162	23.7	85	23375
9918A	152	23.3	44	24000								
9918	154	21.5	52	22800	114	20.0	98	22400				
LEADER												
SX555	138	19.6	54	23733								
SX610	131	20.8	72	23200	121	19.6	97	24000	146	26.0	98	24000
SX630	178	22.7	89	23600	146	20.4	99	23200				
SX640	145	22.4	50	23600								
SX710	146	20.5	45	22933	141	19.9	98	22933	156	26.8	98	18250
SX722	143	22.7	38	23733								
LEWIS												
X52B	157	20.2	33	23733								
X53B	146	19.2	64	23733	113	18.6	100	24000				
X54B	153	20.7	40	20533								
X58B	145	21.7	48	23600								
X59B	154	21.0	47	23600								
X74B	160	23.8	35	23733	167	21.5	99	23466				
X81B	152	24.8	48	23466	122	22.9	92	23733	185	26.8	97	23500
X92B	162	24.3	76	23733								
LOWE												
LSX 317	146	19.4	49	22400								
LSX 380	159	20.2	49	23733	115	19.3	100	22400				
LSX 401	162	20.7	38	22933	115	19.8	100	22133				
LYNKS												
LX4305	146	20.3	57	23466								
LX4315	168	19.6	67	23466	146	18.7	98	22800				
LX4355	145	21.1	59	23866								
LX4500	172	22.7	44	21466					162	27.0	95	22750

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MACON												
105	134	19.4	21	23733	125	16.8	98	23200				
110	138	21.4	54	23200	134	19.4	100	23200				
210	148	21.5	38	23733	124	19.4	100	22000	185	25.6	95	22625
221	155	21.9	60	23333	135	20.5	96	21733	182	27.2	95	22875
300	168	22.0	49	23466								
344	151	21.9	55	24000								
400	152	23.6	43	23600	123	23.7	88	22533				
420	150	23.2	58	23200	123	21.4	88	21066				
MCALLISTER												
SX7300B	164	22.6	60	23733	162	22.9	100	22533	155	25.4	95	24000
SX7909	161	20.9	81	21866	135	19.4	100	21466				
SX7918	163	23.8	64	23733	115	23.9	94	20000				
SX8009	153	21.1	62	23600								
MCCURDY												
4855	132	17.6	45	23466								
4956	156	19.0	74	23466								
5596	121	18.5	27	24000								
6555	154	19.1	48	23866	123	18.3	100	23066				
7440	162	19.6	60	24000	152	19.3	97	22933	174	25.0	98	23500
7676	155	21.4	72	23600								
80-60	145	19.2	60	23866								
84AA	158	23.8	47	24000	141	22.0	100	23600	188	26.8	99	23250
84	151	20.8	18	23066	125	19.2	96	21866	152	27.0	97	23500
MIGRO												
HP 360	145	19.3	90	24000								
HP 401	160	19.1	70	23333								
HP 470	142	20.0	33	24000	139	19.1	100	23600				
M-0707	142	22.1	47	24000	123	21.8	100	22133	178	27.8	98	23750
SPX 77	157	22.9	51	23600	168	22.0	99	22266				
NOBLE BROS.												
2391	117	17.4	33	24000					134	19.4	97	23625
2501	133	18.0	39	23466	136	19.0	100	23733				
2551	119	21.4	24	22800	130	19.0	100	22000	181	26.1	96	23750
NORTHRUP-KING												
PX39	134	18.4	43	23866	113	16.4	100	23200				
PX69A	133	18.8	32	23866	124	18.5	100	23866	137	22.3	99	23875
PX74	139	20.7	36	24000	122	19.1	97	23200	176	25.5	92	23875
PX79	153	22.9	57	23733								
PX83	165	21.7	43	23733								
PX9454	142	18.1	38	23866								
PX9573	120	20.7	38	24000								
O'S GOLD												
SX5291	163	24.4	59	22666								
SX5500A	146	20.9	38	23733	109	19.1	100	21866	163	26.4	100	23750
SX5509	159	25.1	69	23600	131	23.9	95	22800				
SX6882	169	19.8	81	24000								
PFISTER												
KERNOIL	160	20.8	32	23733								
2400	136	19.0	52	22400								
2800	162	19.0	70	23866								
75	145	19.6	53	23200	155	19.1	98	20933	198	25.1	92	23250
PICKERING												
533	155	19.5	69	24000	137	18.2	100	21733				
633	163	21.4	68	23466	116	20.6	100	21066				
744	164	21.9	44	23066	100	22.6	78	23866				
777	152	21.2	42	23200	129	23.1	86	22666				
PIONEER												
*3382	177	20.6	77	24000								
*3541	164	18.4	56	24000	118	17.5	100	22400	156	22.6	100	23750
*3780	146	17.3	41	24000	107	15.7	100	24000	117	19.6	96	24000
POCKLINGTON												
P-401	132	17.4	22	23333								
P-5511	163	20.9	47	23733								
P-601	158	21.3	48	20800	125	18.6	97	23333	161	25.2	96	23125
P-613	148	21.7	48	23466								
P-6441	151	24.6	73	22533								
PRAIRIE STREAM												
GOLDEN CROSS SX50	161	18.6	60	23733								
GREEN GENE SX66	151	22.1	44	23600	112	19.7	95	22533	152	26.7	99	23625
SX68	149	25.6	70	23866								
PREMIER HYBRIDS												
SX632	160	18.8	80	22666								
SX64E-I	131	17.2	50	24000								
P-A-G												
SX 333	160	20.8	52	23466	138	18.6	99	24000	162	25.0	94	22875
*SX 351	143	21.0	38	23733	119	20.5	96	23333				
SX 397	151	17.7	38	22533								
RING AROUND												
1404	139	19.7	41	23066								
SHISSLER												
GR-8 166	120	17.4	25	24000								
GR-8 168	143	16.9	59	23866								
GR-8 176	168	18.8	75	23866								
GR-8 180	154	17.9	16	24000								
GR-8 190	164	22.1	61	23466								

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE
SOHIGRO												
57	165	21.3	46	24000								
68	132	22.7	45	23066								
STAUFFER SEEDS												
SUPER 14	144	22.6	53	22933	143	21.7	100	21600				
SUPER 4	148	21.1	34	23466								
SUPER 80	141	21.3	31	23333								
S 6595A	157	18.8	49	23866								
114+	166	24.3	70	22400	165	22.5	100	22133				
STEWART HYBRIDS												
7381	164	21.5	64	23466								
7384	175	21.9	34	23466								
7700	142	23.6	64	23200								
77	157	22.1	42	23066	149	22.3	100	22000	169	28.8	97	22125
STEWART SEEDS												
SX48	135	20.5	26	22266								
SX58	182	21.5	71	24000								
STONE SEED FARMS												
SX34	167	19.4	58	23600	139	18.5	100	22533				
SX38	159	20.5	33	23066	134	19.9	100	21600	159	26.0	97	23125
SX40	139	21.8	10	23066	143	20.5	100	21066				
SX41	173	22.6	43	23600	144	21.5	99	21200				
SX42A	139	22.8	37	23333	131	23.0	100	21333				
SX47A	159	21.3	36	22533	115	19.7	100	21466				
SX73	129	21.8	20	23466	130	19.6	97	21333	185	25.8	92	22625
STURDY-GROW												
S/G 805A	150	23.2	70	23200	142	21.8	99	23066	174	27.7	99	24000
S/G 825A	171	20.9	21	23866								
S/G 829	158	23.5	67	23600	115	21.2	98	23466				
STURDY GROW												
S/G 910W	123	24.6	38	24000								
S/G 938W	156	25.1	73	23600								
SUN PRAIRIE												
SP230	153	18.5	68	21866	129	18.9	99	19866				
SP250	141	31.0	43	21866	128	19.1	100	22666	181	24.4	96	24000
SP252	137	20.0	48	24000								
SUPER-CROST												
4337	166	19.4	54	23600								
5440	143	19.2	22	24000	139	19.1	100	23466	163	26.6	95	23750
7600	160	24.7	55	23466	128	22.3	99	21066				
80052	159	20.7	60	23866								
81061	133	20.6	29	23066								
THOR-O-BRED												
SX 536	144	19.9	55	24000								
SX 544	146	21.4	47	22666								
SX 545	165	22.7	52	23600								
SX 600	128	23.4	55	24000								
TRISLER												
EXP. 81-8	146	19.0	80	22800								
T-2660	136	18.1	78	23600	120	17.7	100	23600				
T-2777	160	20.3	60	23866					109	23.4	100	23750
T-2900	117	17.6	23	22800	127	16.1	100	22666	145	19.2	100	23875
T-4210A	128	18.5	35	22666	121	17.6	97	21733				
T-5150	130	18.9	22	22800								
T-5250	166	19.8	91	23066	142	18.9	100	23333				
T-5256	160	20.5	31	23333								
T-5450	136	20.5	30	22933	112	19.3	97	21200	174	27.5	96	22625
T-5470	155	21.2	54	23200	127	20.4	100	18533	157	24.9	98	23125
T-7350	149	22.1	56	21066	100	20.8	86	20666	193	26.9	97	23000
T-7530	166	22.0	63	22266	139	21.4	99	20533				
T-7550	133	22.7	47	24000	119	23.1	92	19866				
TROJAN												
TXS 115A	158	21.3	47	23333	141	19.3	100	22000	144	28.2	97	23750
T 1069	132	18.8	50	23333	135	16.7	96	23066				
T 1100	164	20.6	76	23733								
UPHOFF												
638	159	21.6	56	23866								
VORIS												
V 2491	158	20.8	70	24000								
V 2521	170	20.9	41	23733								
V 2601	167	22.9	73	23066					144	26.3	94	23750
V 2641	153	23.7	42	22266								
WHISNAND												
80A	172	21.9	45	23733	149	20.1	100	22666	159	25.6	96	21625
80	145	23.0	13	22400	124	21.1	94	22933	169	25.7	91	24000
811	152	24.6	72	23200	105	21.6	100	22800				
81	129	20.1	32	23733	133	19.9	99	22800	168	25.3	94	24000
83	158	19.7	30	22000	127	19.7	100	20800	121	26.6	98	24000
870	148	21.1	41	23866	115	20.3	98	24000				
WYFFELS												
W-48	159	20.6	62	23733	130	18.7	100	22533				
W-65	175	25.0	58	23733	138	22.5	99	22800				
AVERAGE OF 1981 ENTRIES	150	20.9	49	23401	127	19.9	98	22371	164	25.9	97	23340
L.S.D. 10% LEVEL	26	2.3	32	1143	28	1.0	7	2237	27	2.4	4	1440
L.S.D. 30% LEVEL	16	1.4	20	720	18	0.7	5	1410	17	1.5	2	908
STD ERR OF HYBRID MEAN	11	1.0	13	490	12	0.4	3	960	12	1.0	2	618

Corn Hybrid Trial Results

PERRY (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH								
X-617	194	19.4	98	20000	127	20.4	98	19777
X-619	165	20.1	91	20000	122	20.3	92	19222
AMERICANA								
4100	154	19.2	98	19333				
4640	153	19.8	91	17866	112	21.3	98	19888
4730	191	20.5	96	20000	131	20.6	96	19333
4808	171	20.6	98	18933				
ASGROW								
RX777	166	19.4	93	20000				
CARGILL								
921	173	17.5	95	20000				
967	159	19.2	92	18533	104	19.2	98	19888
DUESTERHAUS								
DS110M	147	18.8	97	18533				
DS115	170	19.4	93	18933				
DS117	164	18.2	94	15866				
DS118	171	19.1	93	19733				
DS119	169	20.6	95	19866				
GROWMARK								
FS 850	176	21.0	99	19600	116	21.1	97	20000
FS 852	162	20.6	96	20000				
FS 854	179	20.6	93	19466	113	21.1	93	19777
ILL. EXPERIMENT								
AS80-21	157	19.1	94	20000				
LEWIS								
X52B	166	19.0	95	19200				
X53B	175	17.5	96	19466	116	17.7	98	19777
X54B	182	16.8	99	17200				
X58B	186	18.8	100	18933				
X59B	170	19.3	95	19866				
X60B	160	18.8	94	18400				
X71B	159	18.3	95	18800				
X74B	180	21.2	98	19733				
X81B	168	20.6	93	19866	108	22.1	95	19777
X91B	168	19.7	94	19866				
MIGRO								
HP 470	159	17.5	96	20000	118	17.6	100	19666
HP 87	148	20.9	87	19600	115	22.1	98	20000
M-0707	158	19.6	98	20000	110	20.9	100	19888
SPX 77	172	20.3	98	19733	123	20.4	98	19555
P-A-G								
SX 333	153	18.5	92	19466				
SX 351	182	18.9	94	20000	88	19.5	99	19222
SX 397	160	17.0	93	17733				
AVERAGE OF 1981 ENTRIES	167	19.2	95	19166	109	20.1	97	19727
L.S.D. 10% LEVEL	..	1.1	..	1395	..	2.2	4	..
L.S.D. 30% LEVEL	..	0.7	..	875	..	1.4	2	..
STD ERR OF HYBRID MEAN	10	0.4	2	592	10	0.9	2	279

Corn Hybrid Trial Results

PERRY: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH								
X-918	134	19.3	94	22100				
X-920	141	18.9	87	21132	116	19.0	95	21466
ASGROW								
RX777	153	18.9	93	22497				
CARGILL								
921	166	18.0	85	23723				
924	154	17.8	96	23245				
934	136	18.6	89	22961	54	19.3	98	22969
949	165	18.8	89	22336	89	19.1	96	23579
967	140	17.5	89	23855				
DEKALB								
XL 55A	129	17.7	76	22338				
XL 56	143	18.2	92	22216				
XL 61	142	19.3	95	23768				
*XL 72AA	162	18.2	92	23444	76	19.7	98	21253
XL 72B	143	19.4	90	21831	113	20.7	96	21734
XL 73	145	19.4	94	23660				
XL 74A	159	20.9	91	22342				
XL 74B	142	21.1	89	21391				
XL 75	142	18.3	86	20866	86	22.3	96	20479
DUESTERHAUS								
DS104	135	16.6	84	24000				
DS115	144	18.2	94	21019				
EK PREMIUM								
EK7700	119	16.4	88	23039	105	18.5	97	23080
EK7760	134	16.1	75	23130	88	16.6	95	22878
EK7770	136	18.2	90	22118	112	15.1	96	22624
EK7775	143	16.9	90	21787				
EK7780	137	17.9	82	23062				
EK7785	136	17.1	89	22540				
EK8800	129	18.6	89	22257	117	19.5	98	23264
EK8810	149	18.7	91	24000	65	19.1	98	21719
EK8820	162	18.4	86	20247	82	19.9	93	22044
EK8830	153	18.4	93	23661				
EK8860	149	20.1	93	21686				
EK8865	134	20.3	94	23469				
EK9900	160	20.9	87	22789	101	21.8	98	23668
EK9910	148	21.3	88	22792	97	20.8	97	22996
EK9920	146	19.8	89	23313	77	23.2	97	23660
EK9930	165	20.1	92	23382				
EK9940	131	20.9	95	22616				
FUNK'S								
G-4435	146	17.5	93	23243	54	17.5	97	21126
G-4520	143	18.2	91	22341	67	19.3	97	22596
G-4522	150	18.8	95	23918				
G-4606	144	18.8	93	22183	106	20.4	92	22265
GOLDEN ACRES								
T-E 6992	134	17.5	91	23739	83	18.4	97	23111
T-E 6995-A	143	17.4	91	23175	80	18.7	97	21476
T-E 6995	137	18.3	90	23535	76	19.9	96	22273
GOLDEN HARVEST								
*H-2500	127	17.9	99	22836	115	19.4	98	23178
GREAT LAKES								
5922	116	18.0	67	22101				
GROWMARK								
FS 680	169	18.0	89	24000	97	19.7	97	23414
FS 685	153	19.5	88	23765				
*FS 850	141	20.3	87	23941	95	21.2	98	22339
FS 852	131	20.6	87	22777				
*FS 854	160	21.5	85	22624	128	21.1	98	22423
GSA								
2020	139	15.9	97	23653				
2260	116	15.7	94	22675				
2300	128	17.9	90	22173				
ILL. EXPERIMENT								
AS80-16	142	20.5	87	22874				
AS80-21	142	19.5	91	23502				
LEWIS								
X52B	134	18.3	89	20739				
X53B	138	17.1	95	23198	107	16.8	98	22435
X54B	149	17.6	92	19545				
X58B	154	18.7	94	23103				
X74B	167	20.7	91	21833	122	20.4	99	24032
X81B	124	20.0	96	23277	91	21.7	98	22202
LYNKS								
LX4315	153	17.1	95	23570				
LX4355	162	18.9	94	22661				
LX4500	122	19.5	86	23380	87	21.6	98	22839

PERRY: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MACON								
110	141	17.9	93	18526	83	19.2	98	20495
210	149	18.4	89	22062	87	19.7	95	23753
221	132	19.3	86	22147	105	21.0	99	23080
300	163	18.3	85	23994				
344	132	18.9	88	22541				
400	125	19.2	85	22936	92	22.0	96	23324
420	174	18.8	74	23121	99	20.9	98	22263
MCALLISTER								
SX7300B	158	20.4	93	19874				
SX7909	147	17.3	93	18865				
SX7918	150	20.2	94	22334				
MCCURDY								
7440	160	17.5	91	22891	96	18.4	99	23097
7484	128	17.1	93	22499				
7676	151	18.2	88	23901				
7787	160	20.3	93	23575	113	21.4	99	22730
84AA	152	20.2	87	21023	115	21.1	99	22157
MIGRO								
HP 470	146	17.0	100	23801	83	17.6	98	22937
M-0707	175	19.4	93	24000	100	21.4	99	23777
SPX 77	160	20.4	89	22601	101	20.9	98	22865
NORTHRUP-KING								
PX74	152	18.6	84	22871	79	18.4	95	23403
PX79	132	18.9	88	23658				
PX83	144	19.3	89	23523	61	20.5	98	22943
PX87	145	19.8	90	22021	71	22.2	96	23107
O'S GOLD								
SX5255	162	18.2	89	23463				
SX5291	142	20.3	78	21924				
SX5509	170	20.9	86	22949	101	22.3	98	21387
SX6882	155	17.2	94	22648				
PICKERING								
533	147	16.9	94	23813				
633	136	18.9	92	20422				
744	146	19.5	92	24000				
777	157	20.7	84	22868				
PIONEER								
*3183	174	20.8	88	23029				
*3334A	146	18.6	96	22738	70	19.6	99	21009
*3382	144	18.3	93	23736	102	18.6	98	23518
*3541	136	16.1	93	23273	90	16.2	95	22620
POCKLINGTON								
P-5511	138	18.0	92	22118				
*P-601	145	18.1	91	20982				
P-602	139	17.5	92	23551				
P-6392	137	18.7	84	21982	71	19.2	97	22503
P-7441	140	20.1	85	22557				
P-A-G								
SX 333	143	18.0	91	22977	77	19.5	96	23896
SX 351	166	18.4	96	23920	62	19.3	100	23515
SX 397	120	16.9	88	21739				
STAUFFER SEEDS								
*SUPER 14	138	19.8	90	23943				
S 8818	157	21.1	93	23189				
114+	152	20.0	93	22200				
120A	142	19.2	95	19986				
STONE SEED FARMS								
SX29	133	16.2	94	23507				
SX34	137	16.9	91	22767	102	17.0	99	23641
SX38	149	17.9	87	23805	109	19.0	95	23657
SX41	167	19.5	96	21296				
SX42A	156	20.2	84	23326				
SX73	159	18.7	93	23613	75	19.2	98	23195
SUPER-CROST								
4337	156	17.3	96	22612				
5440	140	18.1	83	22459	79	20.7	97	22851
7600	149	20.6	94	22257	95	20.5	98	21370
7801	151	20.5	90	23589	91	21.9	98	22949
80052	133	18.0	83	23528				
TRISLER								
T-5450	155	17.8	78	23495	89	18.8	96	22164
T-7500	157	20.0	90	24000	111	21.1	97	23892
T-7530	161	19.7	86	23602	95	20.9	98	22368
T-7550	148	20.3	90	22875	81	22.6	97	21694
TROJAN								
TXS 115A	167	18.7	88	22057	79	20.3	98	21375
TXS 119	117	21.0	88	23582	96	20.5	95	21806
T 1100	160	17.5	96	22845				
T 1230	144	21.4	91	22288	89	21.9	95	22500
UPHOFF								
638	139	18.9	87	22928				
AVERAGE OF 1981 ENTRIES	146	18.8	90	22741	89	19.8	97	22789
L.S.D. 10% LEVEL	23	1.0	9	1837	..	1.3	3	..
L.S.D. 30% LEVEL	14	0.6	5	1157	..	0.8	2	..
STD ERR OF HYBRID MEAN	10	0.4	4	786	14	0.6	1	888

Corn Hybrid Trial Results

BROWNSTOWN (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 7601	149	19.0	100	17727								
UC 7660	129	17.9	96	18000								
UC 8201	132	17.4	99	17454					133	17.7	69	18000
AINSWORTH												
X-617	144	19.6	97	17454	78	19.5	81	18000				
X-920	147	17.9	98	18000								
ASGROW												
RX777	154	19.1	97	18000	71	17.6	99	16888				
RX858	109	18.5	98	16772								
RX909	136	19.1	97	17181	41	21.3	93	17888				
CARGILL												
967	136	17.9	98	17727	53	19.0	98	17666				
COKER												
16	135	19.5	100	17863	75	18.2	78	17333				
19A	121	18.6	100	17863	65	20.5	94	17666				
19	113	17.4	94	18000	83	18.6	77	17666				
21	145	19.8	96	18000	77	21.3	89	17333				
22	121	20.7	98	18000	47	21.1	88	18000				
GOLD TAG												
3020	121	17.6	97	17727	48	19.4	94	17333				
4022	141	19.7	98	18000	99	21.5	96	18000				
GROWMARK												
FS 850	137	19.7	96	18000					98	18.5	30	18000
FS 852	135	19.9	99	17454								
FS 854	154	20.7	97	18000	73	20.5	81	17666	143	23.1	40	18000
FS 858	142	18.6	97	17590	81	19.8	61	18000	144	18.4	49	18000
GUTWEIN												
2875	134	20.4	97	18000								
2910	142	19.6	97	17318								
HOBLIT												
442	139	19.1	100	17590	84	20.7	94	18000	166	18.6	72	18000
454	151	20.2	99	18000								
LEWIS												
X74B	149	20.7	98	17863								
X81B	147	20.1	98	18000	68	21.5	91	18000	170	18.9	67	18000
X91B	132	19.4	97	17863								
X92B	139	19.4	98	17590								
X93B	151	18.9	99	17727								
MCCURDY												
84AA	130	19.3	97	17318	84	21.3	90	17777	147	18.9	66	17888
POCKLINGTON												
P-701	146	20.6	98	18000					149	17.4	77	18000
PRINCETON												
SX810-A	110	15.7	97	17727								
SX850	138	18.3	100	18000	82	18.7	87	17888				
P-A-G												
SX 333	122	17.5	100	17590								
SX 351	113	17.7	98	17863	71	18.5	93	17666				
RING AROUND												
1502	149	19.5	96	18000	71	20.3	91	18000				
1504	131	16.5	96	18000	86	17.9	95	18000				
1604	139	19.6	97	18000	62	20.6	90	18000				
STONE SEED FARMS												
SX42A	135	19.9	100	17727								
SUN PRAIRIE												
SP250	117	18.5	99	17727	66	18.6	81	18000				
SP540	129	18.5	97	17590	70	20.9	82	17777				
SP550	116	19.5	99	17727	83	18.9	71	17444				
SP600	144	19.6	97	16909	80	20.2	79	16111				
AVERAGE OF 1981 ENTRIES	134	19.0	98	17742	72	19.8	88	17598	139	19.1	62	17813
L.S.D. 10% LEVEL	15	0.7	..	..	26	1.6	12	..	..	2.1	26	..
L.S.D. 30% LEVEL	9	0.4	..	..	16	1.0	7	..	..	1.3	16	..
STD ERR OF HYBRID MEAN	6	0.3	1	312	11	0.7	5	364	13	0.9	11	337

BROWNSTOWN: INCREASED PLANTING RATE (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-619	133	19.5	95	20777								
ASGROW												
RX777	146	19.6	98	21728					152	18.9	54	21824
RX858	103	18.3	89	21049								
*RX909	109	19.6	98	22000					119	18.5	62	21804
CARGILL												
934	117	18.0	96	21049	31	19.1	91	19616	115	17.3	51	21780
949	109	17.1	100	21185	50	18.9	91	19935	149	17.3	70	22045
*967	136	17.8	96	21728	76	18.7	99	19474	168	17.6	50	21929
COKER												
16	123	18.8	97	21185	53	19.0	86	19766				
19A	136	19.7	99	21049	34	20.0	96	20199				
19	108	17.5	96	21320	42	19.3	91	19105				
21	145	20.2	98	22000	50	21.7	95	20552				
22	131	20.3	97	21864	42	22.6	92	20301				
DEKALB												
EX 7271	106	16.6	99	20234								
*XL 72AA	115	17.5	98	21185	39	18.7	98	18835	147	17.5	47	18769
*XL 72B	122	18.7	96	21592	71	19.8	88	18939	138	18.0	86	20887
XL 73	122	18.4	88	21864								
XL 74A	137	19.4	93	19962								
XL 74B	149	19.4	94	21320								
DENNIS												
DS25	133	17.3	98	22000								
EK PREMIUM												
EK7700	124	15.7	97	22000	53	18.7	96	19649				
EK7760	124	15.3	94	21456	47	17.4	85	18799				
EK7770	119	18.5	96	21456	52	15.3	73	20522				
EK7775	128	17.4	98	21456								
EK7780	128	17.8	96	21185								
EK7785	129	17.2	97	21320								
EK8800	103	16.8	99	21864	62	19.3	74	20350				
EK8810	113	17.1	95	20641	77	17.1	76	20277				
EK8820	113	17.2	92	21592	48	19.9	83	20263				
EK8830	116	19.2	97	21728								
EK8860	140	20.2	99	21185								
EK8865	121	20.1	98	21728								
EK9900	128	20.0	91	22000	57	20.6	92	19854				
EK9910	127	20.1	97	21320	70	19.4	82	19919				
EK9920	138	20.8	97	21185	64	21.0	100	19613	131	17.6	56	21950
EK9930	142	19.6	90	21728								
EK9940	135	20.4	97	21320								
FUNK'S												
G-4520	111	17.9	95	22000	50	18.5	93	19747	145	17.9	71	22062
G-4522	136	17.9	98	22000								
G-4606	126	18.7	96	22000	54	18.9	99	19072	161	18.4	70	20989
GOLDEN ACRES												
T-E 6968	116	19.0	98	21592	66	18.7	87	18208	147	18.3	91	21840
T-E 6992	118	17.5	97	21592	71	17.3	78	18128	124	19.6	44	20420
T-E 6995-A	117	16.3	98	20913	41	16.8	89	19141	104	17.6	44	21502
T-E 6995	110	17.4	98	21592	41	18.3	80	20347	149	17.7	52	21558
GOLD TAG												
3006	136	17.8	100	19827								
3008	125	17.9	95	22000								
GROWMARK												
FS 685	132	19.4	93	22000								
*FS 850	139	19.4	98	21320	63	20.6	85	20317	160	18.8	55	21966
FS 852	132	20.1	97	21592								
FS 858	123	18.3	92	18197	64	19.5	75	20297	133	18.1	33	21118
GSA												
2020	117	15.9	99	20641								
2260	92	15.7	95	21592								
2300	119	17.4	98	20234								
JACOBI												
CX66B	130	17.5	99	22000								
CX67	127	17.7	97	22000								
CX91	131	20.5	96	22000								
LANDERS												
9915	125	17.7	98	21320	49	18.5	84	20074	157	17.0	45	20520
9918A	150	20.2	95	20641	69	19.1	78	20533				
9918	130	18.2	97	21456								
9920	131	19.4	98	21456								
9922	146	20.0	94	21728	68	20.8	89	19729				
LEWIS												
X74B	126	21.1	94	21320								
X81B	129	19.2	97	22000	50	19.9	84	19748	169	18.3	70	21595
LOWE												
LSX 511	130	19.8	93	20641								
LSX 517	126	18.5	96	21320								
LSX 617	143	19.6	94	21456								
LYNKS												
LX4355	147	18.0	100	21592								
LX4480	127	19.1	92	21456	33	20.7	85	19402	154	19.0	25	20914
LX4500	140	20.1	97	21185	80	20.3	90	17201	164	19.3	63	20847
LX4545	147	20.4	95	22000	54	20.6	96	18982	154	17.0	66	21333

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MACON												
210	108	16.9	94	21864	57	18.6	85	19654	145	18.4	75	21469
221	122	19.1	97	21320	80	20.7	93	19703	172	19.3	83	20023
300	128	17.8	93	20370								
344	128	18.6	95	21864								
400	147	20.4	98	22000	74	19.9	83	20088				
420	146	18.5	93	21049	85	19.0	78	17699				
MCCURDY												
7676	154	18.4	98	21592								
7787	124	19.9	95	20777					130	19.5	61	21627
8150	125	20.2	94	21728								
84AA	142	20.6	98	21864	76	19.7	91	19714	168	19.5	58	21838
MIGRO												
HP 470	120	17.1	99	21592	43	18.5	97	19495				
HP 87	135	19.8	87	21864	31	21.8	90	20324				
M-0707	134	19.5	96	21320	52	20.8	93	18920	161	19.6	73	21251
SPX 77	133	19.8	96	20913	67	19.7	90	20341	151	19.5	66	21716
MOEWS												
*SM725	123	18.8	91	21185	73	19.3	79	20076				
NOBLE BROS.												
2551	114	17.7	98	20913	85	20.0	84	20379	142	16.7	28	20628
2711	116	19.1	95	22000	43	20.9	93	19714				
NORTHRUP-KING												
PX74	124	17.0	98	21864	67	19.1	68	18019	139	16.8	59	21887
PX79	124	17.2	97	22000								
PX83	138	19.6	93	21456	37	20.6	90	20606				
PX87	134	20.0	95	21049	53	20.7	83	19488	165	19.1	64	20886
O'S GOLD												
SX5255	111	16.7	94	21320								
SX5291	145	20.6	98	21864								
SX5500AB	121	19.6	95	21456	56	20.7	91	20198				
SX5509	143	20.2	97	21320	46	21.5	89	18759				
PFISTER												
KERNOIL	125	19.5	95	21456								
4000	152	20.3	98	22000								
75	121	17.2	98	22000	76	19.4	81	19322	136	17.2	58	20683
PIONEER												
*3183	145	18.9	94	21320	57	21.6	96	20294				
*3382	135	18.1	97	22000								
POCKLINGTON												
P-701	136	19.9	95	22000	52	21.2	90	19346	151	17.9	60	20583
PREMIER HYBRIDS												
SX633	126	17.6	92	21592	78	17.6	76	20427	175	18.1	55	21463
SX636	140	19.5	97	21592	58	19.5	90	20269	164	19.5	78	21777
SX639-A	138	19.4	94	22000								
P-A-G												
SX 333	123	17.2	95	21728	51	18.6	82	20092	150	17.1	57	21692
SX 351	127	18.0	95	21456	35	20.1	91	20225				
SX 397	126	17.7	93	20913								
RING AROUND												
1502	141	19.1	96	22000	58	20.4	91	20148	163	18.7	59	21793
1504	130	17.2	97	21320	55	19.0	90	19494				
1604	141	19.8	90	20913	64	21.6	92	19531				
SHISSLER												
GR-8 190	102	17.2	96	21592								
GR-8 196	126	19.4	98	21456								
GR-8 198	144	19.7	93	21728								
STAUFFER SEEDS												
SUPER 14	141	19.0	91	22000								
S 8818	134	20.1	98	21592								
114+	154	20.3	99	21728								
120A	129	19.6	98	20098								
STONE SEED FARMS												
SX41	155	18.3	98	21592								
STURDY-GROW												
S/G 805A	118	19.2	96	21864	67	20.0	91	19908	141	19.3	77	21935
S/G 825A	128	17.6	99	21728								
S/G 829	132	19.2	95	21728								
SUN PRAIRIE												
*SP550	126	19.5	96	21320								
SUPER-CROST												
4337	123	17.2	100	19419								
7600	135	19.8	96	21592	50	21.5	87	19047				
7801	144	21.0	95	21456	66	21.0	84	19166	151	18.3	86	20425
80052	147	19.1	94	21185								
TRISLER												
T-337	112	18.6	98	19827	54	19.3	81	19949	152	19.3	36	20856
T-5150	118	17.1	100	21049								
T-5250	110	17.4	96	21592	66	17.4	91	18934				
T-5256	125	18.3	99	21592								
T-5450	104	17.7	96	22000	49	18.8	91	19746	150	17.5	51	21279
T-5470	132	18.7	97	21456	84	20.5	100	19382	168	19.4	55	19207
T-7500	109	19.1	96	21320	51	20.5	84	20048	149	19.4	31	21129
T-7530	131	19.1	94	21728	53	20.2	97	19103				
T-7550	144	19.9	97	21592	45	21.4	97	18709				

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
TROJAN												
TXS 115A	122	18.3	98	22000	89	17.6	88	19687	141	17.2	70	20883
*TXS 119	125	19.7	96	22000	75	19.4	83	19262	162	19.5	42	20877
T 1100	129	17.5	97	22000								
T 1230	134	20.5	94	21864	36	21.5	96	19450				
U.S.S.												
0555A	126	17.7	94	21592								
1010	88	17.2	98	22000					127	17.7	64	20690
1515	127	19.4	94	21728					165	19.0	42	21581
VORIS												
V 2491	116	17.6	98	21864								
V 2521	127	18.5	98	20913								
V 2601	127	18.2	93	21456					129	17.3	61	21497
V 2641	141	20.4	88	21320								
ZIMMERMAN												
Z-22-Y	120	19.4	96	21864	56	20.7	97	19950	163	17.0	60	21768
Z-24-Y	137	19.0	94	21320	61	18.5	85	19949	149	19.5	64	21930
AVERAGE OF 1981 ENTRIES	128	18.7	96	21442	56	19.6	88	19536	144	18.6	59	21202
L.S.D. 10% LEVEL	17	0.7	5	..	25	1.6	12	1626	31	2.4	26	1447
L.S.D. 30% LEVEL	11	0.4	3	..	16	1.0	8	1024	19	1.5	16	912
STD ERR OF HYBRID MEAN	7	0.3	2	571	11	0.7	5	696	14	1.1	12	620

Corn Hybrid Trial Results

CARBONDALE UPLAND (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX114	95	19.9	99	17698	18	20.5	90	17777				
RX777	96	19.0	99	18000								
CARGILL												
949	113	18.3	97	17806								
967	106	17.8	97	17181								
DEKALB												
EX 7271	113	17.6	97	17751								
XL 74B	107	19.6	93	17417								
GROWMARK												
FS 850	99	19.5	99	17679								
FS 852	104	21.2	99	17585								
LEWIS												
X74B	108	20.4	100	17189								
X81B	91	21.5	100	17522	41	17.6	94	17111	137	22.6	97	16888
X91B	114	20.0	99	17617								
X92B	111	19.4	96	18000								
O'S GOLD												
SX3344	118	18.1	96	17831	42	16.7	91	15666				
PRINCETON												
SX480	81	16.9	96	17580	40	15.7	92	17777				
SX860	99	20.5	98	18000	32	21.6	97	17333				
SX870	96	21.2	98	17352	21	17.9	97	18000	132	19.3	98	17888
RING AROUND												
1502	108	20.1	96	17834	30	19.3	95	17888	143	20.8	95	17888
1504	94	17.5	99	17876	34	17.3	97	17777				
1604	88	20.9	93	17700	38	20.2	93	18000				
ZIMMERMAN												
Z-11-W	88	20.8	90	17853	32	22.2	66	17777	116	21.6	90	16222
Z-14-W	103	19.7	99	17968	45	20.5	76	16555				
Z-22-Y	97	19.3	99	17724	65	18.6	85	17777	142	21.6	95	17666
Z-24-Y	99	19.5	95	17405	16	16.5	94	17888	129	19.0	96	18000
Z-52-W	91	21.6	93	17692	21	21.5	89	17888	111	22.5	96	17555
Z-54-W	80	20.3	96	17612								
AVERAGE OF 1981 ENTRIES	100	19.6	97	17678	35	18.9	92	17442	129	20.9	97	17542
L.S.D. 10% LEVEL	..	0.9	..	..	20	1.9	11	..	25	2.8	..	..
L.S.D. 30% LEVEL	..	0.5	..	..	12	1.2	7	..	16	1.8	..	..
STD ERR OF HYBRID MEAN	7	0.3	2	353	8	0.8	5	673	11	1.2	2	522

Corn Hybrid Trial Results

CARBONDALE UPLAND: INCREASED PLANTING RATE (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 7660	102	19.0	97	21635								
UC 8951	107	20.7	98	21590								
CARGILL												
934	93	17.8	95	21510								
949	115	18.4	99	21191								
967	117	18.2	98	21379	47	16.2	93	21000	146	17.9	95	18296
COKER												
16	109	20.0	99	21508	51	14.9	85	21666				
19A	114	20.1	98	21542	23	18.6	97	21555				
19	121	18.3	99	21099	33	17.0	94	20555				
21	95	20.1	98	20898	54	19.2	94	18888				
22	107	20.2	96	22000	36	17.0	87	21000				
DEKALB												
EX 7271	96	17.9	98	20498								
*XL 72AA	113	18.5	96	20696	23	18.2	90	20444	150	18.9	98	17977
*XL 72B	109	19.5	96	21171	62	16.4	92	21777	122	20.7	98	21426
XL 73	105	18.8	97	21279								
XL 74A	115	19.9	97	20939	51	22.4	95	20555				
XL 74B	120	19.5	95	21875								
XL 75	103	18.2	99	20865	55	20.8	97	20222				
FUNK'S												
G-4520	112	19.2	99	21652	39	16.4	92	20333	156	21.0	92	22210
G-4522	130	18.7	99	21760								
G-4606	108	19.6	96	21077	38	18.8	94	20666	147	17.3	95	20921

CARBONDALE UPLAND: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GOLDEN ACRES												
T-E 6945	97	17.4	95	20728	37	16.8	91	19777	135	17.8	97	19581
T-E 6968	88	19.5	96	22000	30	16.4	90	20333	127	17.4	95	20973
T-E 6992	87	18.3	97	20952	52	15.4	94	18777	128	16.9	93	20396
T-E 6995-A	120	17.8	96	21261	33	16.8	92	20666	144	18.3	98	20620
T-E 6995	110	18.9	99	20882	70	17.6	94	17333	139	17.3	95	18178
GROWMARK												
*FS 850	103	20.2	95	21677	50	19.1	93	20666				
FS 852	93	20.7	98	20717								
*FS 854	95	19.9	94	22000	45	15.4	82	21222	131	22.6	89	18370
*FS 858	123	18.4	97	21144	39	18.0	94	20666				
GSA												
2020	61	16.0	93	21426								
2260	88	15.9	97	21307								
2300	114	18.9	99	20727								
LEWIS												
X74B	111	20.6	98	21143	36	17.7	94	20777	142	19.8	91	21367
X81B	83	20.7	95	21791	28	18.3	91	20777	157	19.6	94	21292
LYNKS												
LX4480	121	19.7	98	20976	33	17.5	75	21222				
LX4500	113	21.1	99	21431	53	20.0	92	20222	146	20.8	98	20158
LX4545	103	21.3	97	21340	38	19.4	94	21222	121	15.9	91	21222
MCCURDY												
7676	123	19.0	100	20818								
7787	102	21.2	99	20920	53	18.1	95	21111	150	19.4	96	20059
8150	116	20.8	97	20961								
84AA	104	20.7	95	21596	40	20.4	90	20777	125	22.6	99	21526
MIGRO												
HP 87	132	20.2	100	20835	50	21.3	92	20444				
M-0707	122	19.9	98	21025	53	18.9	90	19555	156	21.1	94	19291
SPX 77	112	24.3	99	22000	43	19.8	93	21666	137	20.2	96	16938
NORTHRUP-KING												
PX79	117	18.0	99	20724								
PX83	109	19.8	97	21064	42	19.5	94	21000				
PX87	91	20.5	96	21285	43	17.4	95	21333	148	18.5	95	19343
PX95	108	21.7	100	21160	16	18.9	94	19444	143	23.0	94	19287
O'S GOLD												
SX5255	111	17.8	98	21417								
SX5291	116	21.3	99	21452								
SX5509	120	20.2	97	20624								
PIONEER												
*3183	100	20.1	96	20996	39	18.4	96	19666				
*3184	113	20.9	98	22000	36	18.0	96	19222	143	18.9	98	20513
*3311	94	19.5	94	20460	36	18.7	95	21555	161	20.5	94	20102
*3334A	65	19.2	96	21258	28	18.2	96	20333	110	17.5	96	21242
*3369A	92	18.3	96	20770					139	19.5	95	20900
POCKLINGTON												
P-701	105	20.9	97	21101	40	17.9	92	21000				
P-A-G												
SX 333	114	17.9	95	21040	54	16.0	90	20666				
SX 351	122	19.1	100	19703	30	16.4	95	18444				
SX 373	106	21.3	98	20719	44	18.6	92	20444				
RING AROUND												
1502	118	20.3	96	20585	41	18.6	89	21222	150	20.9	95	19269
1504	110	17.4	100	20152	42	16.9	94	21555				
1604	87	21.1	98	20215	48	20.1	87	17444				
STAUFFER SEEDS												
SUPER 14	102	19.7	98	21872	49	17.9	77	21000	155	21.8	97	18541
S 8818	108	20.7	97	20570								
114+	109	20.7	97	21664								
120A	114	20.0	98	20476					148	22.3	93	21574
SUPER-CROST												
4337	117	17.0	100	20675								
7600	117	20.5	98	21662	40	19.0	98	20777				
7801	86	20.7	98	20680	47	18.2	87	20222	139	19.4	93	16324
81062	108	19.8	96	20531								
TROJAN												
TXS 115A	109	18.4	98	21536	38	16.9	94	20555	151	18.1	95	21239
TXS 119	120	19.7	97	21322	45	18.0	86	20777	123	20.1	93	18810
T 1100	117	17.2	99	21667								
T 1230	93	20.9	96	21129	53	18.0	87	21111				
U.S.S.												
0555A	106	18.0	96	21434								
2020	96	20.6	96	22000	36	19.3	94	20777				
ZIMMERMAN												
Z-14-W	104	21.0	96	21851								
Z-22-Y	127	19.9	99	20276	38	18.6	95	21777	165	19.8	95	20688
Z-24-Y	113	19.3	96	21837	33	18.7	89	21666	147	20.5	97	20619
AVERAGE OF 1981 ENTRIES	107	19.6	97	21156	40	18.1	92	20544	140	19.7	95	20089
L.S.D. 10% LEVEL	20	1.2	..	..	22	1.6	..	..	25	2.7	..	2492
L.S.D. 30% LEVEL	12	0.7	..	..	14	1.0	..	..	16	1.7	..	1567
STD ERR OF HYBRID MEAN	8	0.5	1	608	9	0.7	4	968	11	1.2	2	1062

Corn Hybrid Trial Results

DIXON SPRINGS BOTTOMLAND (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX114	130	20.2	98	20913	127	25.9	90	20444				
RX777	110	19.4	98	22000								
COKER												
16	121	19.6	99	22000	139	22.6	96	21111				
19A	122	19.6	98	22000	135	23.9	86	20222				
19	114	18.2	100	21864	126	20.9	93	21111				
21	131	20.0	96	21320	150	26.5	97	21000				
22	144	19.3	99	22000	125	24.0	94	21888				
DEKALB												
EX 7271	144	16.1	99	22000								
XL 70	108	18.4	96	22000	138	19.6	90	21333				
XL 71	123	19.4	98	22000	131	22.4	80	21666				
XL 74A	125	18.9	98	22000	141	25.5	95	20444				
FUNK'S												
G-4520	135	17.8	100	22000	120	20.4	93	21000	117	23.6	80	21777
G-4522	135	18.4	98	22000								
G-4606	123	18.2	99	22000	134	21.3	92	22000	136	22.7	88	22000
GOLD TAG												
3020	115	18.2	97	21728	126	22.7	98	20333				
4022	150	19.4	98	22000	136	24.9	91	21222				
GROWMARK												
FS 850	117	17.4	98	22000					81	23.4	33	22000
FS 852	102	18.6	98	22000								
ILL. EXPERIMENT												
AS80-21	103	18.5	99	22000								
79-6835	90	17.6	97	21864								
JACOBI												
CX66B	123	17.3	97	22000								
CX67	113	15.0	99	22000								
CX91	150	20.5	98	22000								
LEADER												
SX640	126	21.3	98	22000								
SX710	130	17.6	98	22000								
SX717	142	20.1	97	21320								
SX722	110	20.4	99	22000								
LEWIS												
X74B	115	20.3	99	21864	138	24.1	93	21666	138	24.3	88	21222
X81B	144	18.7	99	22000					111	23.1	56	21888
X91B	137	18.8	100	22000								
X92B	157	18.0	99	21592								
LYNKS												
LX4480	143	19.4	100	22000								
LX4545	142	19.1	100	21728								
MIGRO												
HP 470	121	16.4	98	22000	124	18.9	97	20777				
HP 87	133	18.0	99	22000	140	24.0	95	21222				
M-0707	145	18.2	98	22000	151	22.3	89	21444	118	24.6	58	22000
POCKLINGTON												
P-601	118	17.8	98	22000								
P-613	114	18.9	97	22000								
P-6441	110	18.9	96	22000								
P-701	132	19.1	97	22000	151	25.4	96	20444				
PRINCETON												
SP936	114	21.1	97	22000	147	25.7	95	20111				
SX860	144	19.8	99	21728	141	24.6	99	21777				
SX870	145	19.2	99	22000	152	24.2	96	20888	132	21.0	79	22000
SX910	112	20.4	98	22000	113	26.9	91	21222	109	23.9	45	21555
RING AROUND												
1502	150	19.4	97	22000	144	21.6	88	21666	148	23.4	89	22000
1504	107	15.4	99	21728	129	21.7	94	21222				
1604	139	20.3	100	22000	147	23.9	93	20666				
U.S.S.												
0555A	131	16.6	100	22000								
ZIMMERMAN												
Z-11-W	120	19.4	100	22000	126	28.2	94	21777	97	25.5	63	22000
Z-14-W	109	23.7	98	22000	134	26.8	96	22111				
Z-22-Y	133	20.0	98	22000	138	21.8	92	21222	143	23.2	91	22000
Z-24-Y	144	18.9	98	22000	142	22.0	90	20777	134	23.6	66	21777
Z-52-W	117	19.6	97	22000	136	26.8	86	21000	98	26.1	73	22000
Z-54-W	116	20.9	99	22000								
AVERAGE OF 1981 ENTRIES	126	18.9	98	21919	133	23.8	90	20932	113	23.2	69	21802
L.S.D. 10% LEVEL	21	1.5	..	..	16	1.8	10	..	26	3.1	26	632
L.S.D. 30% LEVEL	13	0.9	..	..	10	1.2	6	..	16	1.9	16	397
STD ERR OF HYBRID MEAN	9	0.6	1	222	7	0.8	4	636	11	1.3	11	270

DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE (28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1981 RESULTS				1980 RESULTS				1979 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ACCO												
UC 8951	158	20.7	99	27958	127	24.0	91	25777				
CARGILL												
934	115	16.6	97	28000								
949	120	16.7	83	27897								
*967	104	16.7	91	27643								
DEKALB												
EX 7271	120	17.3	97	27480								
*XL 71	112	19.0	97	27485	132	21.5	89	26888				
*XL 72AA	125	16.8	78	27917	93	20.2	83	26333	117	21.9	88	27334
*XL 72B	140	18.5	96	26965	149	22.6	95	25444	93	20.0	84	27097
XL 73	119	17.7	96	28000								
XL 74A	117	18.9	88	27990	149	22.9	95	25333				
XL 74B	110	18.1	67	27996								
GOLDEN ACRES												
T-E 6945	124	18.3	93	26755	105	20.3	92	25888	111	19.5	49	22744
T-E 6968	125	17.6	98	27970	126	21.8	97	26555	104	20.3	74	27907
T-E 6992	127	16.7	99	27912	128	22.0	92	24111	124	21.3	78	27583
T-E 6995-A	174	17.5	100	26601	112	20.5	91	22888	91	21.6	78	27646
T-E 6995	122	16.4	89	27110	131	20.0	93	26222	120	21.1	89	28015
GOLD TAG												
3006	134	16.4	94	27866								
3008	102	16.7	98	27218								
GROWMARK												
FS 850	111	19.3	100	28000					85	22.6	54	26984
FS 852	118	18.7	92	27534								
FS 854	125	20.0	85	27929	140	24.6	89	26222				
GSA												
2020	107	15.4	99	27620								
2260	106	15.4	81	28000								
2300	122	17.7	97	27900								
ILL. EXPERIMENT												
AS80-16	118	20.2	100	26636								
80H-374	122	17.8	95	27914								
80H-397	84	17.3	95	27110								
LANDERS												
9915	133	17.4	91	27224								
9918	123	18.9	98	27656								
9920	136	19.6	98	27963								
9922	132	20.5	96	25450								
LEWIS												
X74B	128	20.5	99	28000								
X81B	141	19.5	98	28000					115	22.9	85	28001
X93B	127	18.7	96	26115								
LYNKS												
LX4500	120	19.2	98	27442								
MCCURDY												
7676	136	18.3	91	25720								
7787	120	18.5	100	27914	147	25.5	93	26333				
8150	139	20.1	96	27528	134	24.5	92	24111				
84AA	156	19.5	97	27931	142	23.0	86	28000	139	23.6	70	25338
MIGRO												
HP 470	129	16.7	98	27341	133	18.7	99	27333				
HP 87	142	19.7	95	26464	148	26.2	96	27333				
M-0707	153	19.2	97	27985	155	22.0	93	26777	152	21.9	72	27789
MOEWS												
*SM725	138	18.6	94	27831								
NORTHRUP-KING												
PX83	133	19.9	96	27772	146	24.1	95	28000				
PX87	104	18.7	85	26377	140	24.8	92	28000	121	23.4	78	27557
PX95	111	21.4	73	27240	122	25.7	84	26222	110	24.6	90	26850
O'S GOLD												
SX5291	130	20.4	98	28000								
SX5509	107	19.6	71	27054								
PIONEER												
*3183	101	17.2	87	27970	173	25.3	99	27555				
*3184	127	18.7	100	27862	147	23.6	98	27000	120	19.6	86	27000
POCKLINGTON												
P-613	102	18.7	92	28000								
PREMIER HYBRIDS												
SX636	150	20.3	99	27377					125	26.7	84	25891
SX639A	152	19.5	97	27261					122	23.9	85	26735
P-A-G												
*SX 333	130	17.1	98	27943	118	22.1	76	27777	117	21.3	81	27671
SX 351	113	17.0	97	28000	151	22.0	95	27888				
SX 373	107	20.8	98	27611	154	26.7	95	27666	133	22.2	80	26971
RING AROUND												
*1502	131	18.9	97	28000	148	22.2	94	28000	159	21.1	72	25896
1504	109	15.3	100	27738	129	19.7	92	27555				
1604	123	20.4	91	27643	141	24.8	95	27777				

DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE, continued

BRAND HYBRID	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1979 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
STAUFFER SEEDS												
SUPER 14	105	17.4	95	27278								
S 8818	111	19.9	93	27965								
114+	149	19.3	96	28000								
120A	142	18.7	96	27101								
STURDY-GROW												
S/G 805A	137	19.6	90	27060	156	22.7	89	25888	123	22.5	79	25577
S/G 829	153	19.1	97	27902								
S/G 935W	129	20.4	91	28000	131	25.7	91	26111	103	24.8	74	26416
STURDY GROW												
S/G 910W	122	19.3	91	27420								
S/G 938W	111	19.3	95	26883								
SUPER-CROST												
4337	143	16.9	99	27246								
7600	136	20.6	96	27871	138	25.1	95	25333				
7801	133	19.8	98	26841	140	26.1	96	25000				
81062	137	19.6	95	27905								
TROJAN												
TXS 115A	120	17.5	97	27982	137	22.7	84	26222	139	21.1	67	27245
*TXS 119	127	18.4	92	27115								
T 1100	140	17.0	97	26806								
T 1189	113	17.8	97	27900	131	23.6	97	27444	124	22.0	87	26990
T 1230	154	20.4	98	24938								
U.S.S.												
2020	129	19.6	95	28000								
WHISNAND												
80A	120	18.2	91	26778	101	20.8	86	27666	96	21.8	44	26543
80	126	19.1	95	28000	144	24.1	89	26222	86	22.8	48	27988
811	105	19.9	100	25911	118	23.5	92	26888				
81	123	16.5	93	27945	124	22.8	90	26555	127	20.6	72	26674
83	135	17.1	100	27645								
870	120	18.1	96	25457	109	22.8	87	26666	111	21.9	48	22527
ZIMMERMAN												
Z-14-W	125	20.6	97	27332								
Z-22-Y	159	18.6	98	27655	158	23.7	93	25777	160	24.0	85	27200
Z-24-Y	149	18.7	96	28000	150	23.7	90	27000	109	22.6	72	27187
AVERAGE OF 1981 ENTRIES..	126	18.5	94	27485	134	23.2	91	26623	113	22.2	73	26843
L.S.D. 10% LEVEL	22	1.4	9	..	22	1.9	11	1910	29	2.4	20	..
L.S.D. 30% LEVEL	14	0.9	5	..	14	1.2	7	1202	18	1.5	12	..
STD ERR OF HYBRID MEAN...	9	0.6	4	640	9	0.8	5	816	13	1.0	9	1071